S/M No. : TCP082AEFO

Service Manual

TV / VCR Combination
CHASSIS : CP-082
Model : GB14H3/14H4/20H3/20H4/21H4 T1/T2
14H3/14H4/20H3/20H4/21H4 T1/T2
F14H3/14H4/20H3/20H4/21H4 T1/T2
K14H3/14H4/20H3/20H4/21H4 T1/T2

■ SPECIFICATIONS

ITEMS	MODEL	GB14H3/14H4/20H3/20H4/21H4 T1/T2 14H3/14H4/20H3/20H4/21H4 T1/T2 F14H3/14H4/20H3/20H4/21H4 T1/T2 K14H3/14H4/20H3/20H4/21H4 T1/T2	REMARK
TV SECTION	STANDARD	PAL-I/II(GB MODEL),PAL-B/G(BLANK MODEL),PAL-B/G,SECAM-L/L(F MODEL) PAL/SECAM-B/G,DK(K MODEL)	
	SCREEN SIZE	14":A34JLL90X01, A34AGT14X71, A33EKC01X01, A34EAC01X06 20":A48JLL90X02, A48LPE01X01, A48EAX33X081 21":A51EAL155X17, A51EFS83X181, A51EBV13X09	
	MAIN VOLTAGE	220~240V AC,50Hz	
	POWER CONSUMPTION	STAND BY MODE : BELOW 5 Watts OPERATION MODE : 14"=59Watts, 20"=65Watts, 21"=69Watts	
	SOUND OUTPUT	1Wmin(14"), 1.5Wmin(20"), 1.5Wmin(21")	
	SPEAKER	3Watts 8 Ohm	
	ANTENNA IMPEDANCE	75 Ohm unbalanced input	
	TUNING SYSTEM	FVS(FREQUENCY SYNTHESIS) TUNING	
	TUNER	VHF-L : E2-S7, VHF-H : S8-S36, UHF : S37-E69 (PAL-I=UHF ONLY)	
	NUMBER OF PROGRAM	100 PROGRAM	
	AUX. TERMINAL	SCART JACK(REAR) , RCA JACK(AV2 FRONT), HEADPHONE JACK	
	REMOTE CONTROLLER	R-46C with 2 "AAA" type batteries	
	OTHER FEATURE	ON SCREEN DISPLAY, SLEEP TIMER, WAKE UP TIMER, FULL AUTO SEARCH, MANUAL/FINE TUNING,CHILD LOCK, PANEL LOCK, AUTO REPEAT, PICTURE TYPE SELECTION (NORMAL 1/2, FAVOURITE), INDEX SEARCH, TV/AV	
VIDEO SECTION	SINGLE SYSTEM	PAL/SECAM colour and CCIR mono chrome signals, 625lines/50fields.	
	RECORDING SYSTEM	2HEAD / 4HEAD	
	INPUT	1Vp-p, 75 ohm, unbalanced	
	OUTPUT	1Vp-p, 75 ohm, unbalanced	
	SIGNAL TO NOISE RATIO	45dB with NETTETE IMAGE control at center position	
	HORIZONTAL RESOLUTION	240lines with NETTETE IMAGE control at center position	
AUDIO	RECORDING SYSTEM	LONGITUDINAL TRACK	
	INPUT	-3.8dBm(500m Vrms), more than 47 Kohms, unbalanced	
	OUTPUT	-3.8dBm(500m Vrms), less than 1 Kohms, unbalanced	
	FREQUENCY RANGE	100Hz to 8KHz	
	SIGNAL TO NOISE RATIO	40dB(more than)	
GENERA	TEMPERATRE	5°C to 35°C(operating), -20°C to 60°C (storage temperature)	
	FORMAT	standard	
	TAPE WIDTH	12.65mm	
	TAPE SPEED	SP : 23.39mm/sec, LP : 11.70mm/sec	
	WITH FULLSIZE CASSETTE	SP : 240 min, win E-240 video cassette LP : 480min, win E-240 video cassette	

DAEWOO ELECTRONICS CO., LTD

http : //svc.dwe.co.kr April.2001

TABLE OF CONTENTS

SAFETY INSTRUCTION 2
SPECIFICATION 3
CIRCUIT BLOCK DIAGRAM 4
ALIGNMENT INSTRUCTIONS 5
SERVICE REMOCON DIAGRAM 8
SCHEMATIC DIAGRAM 11
EXPLODED VIEW 13
PRINTED CIRCUIT BOARD 18
SERVICE PARTS LIST 20
Different parts list for inch 37
The different parts list for system & tuner 39
The different parts list for crt 50
The different parts list for deck 51
The different parts list for remote control 52

SAFETY INSTRUCTION

WARNING : BEFORE SERVICING THIS CHASSIS,READ THE "X-RAY RADIATION PRECAUTION", " SAFETY PRECAUTION" AND "PRODUCTION SAFETY NOTICE" BELOW.

X-RAY RADIATION PRECAUTION

1. Excessive high voltage can produce potentially hazard ous X-RAY RADIATION. To avoid such hazards, the high voltage must not exceed the specified limit The nominal value of the highvoltage of this receiver is 23-25KV(14"),25-28KV(20"),25~29KV(21") at max. beam current, The high voltage must not,under any circ-umstances, exceed 26KV(14"),30KV(20"),31KV(21"). Each time a receiver requires servicing,the high voltage should be checked.
   It is recommended the reading of the high voltage be recorded as a part of the service records, It is important to use an accurate and reliable high voltage meter.
2. The only source of X-RAY radiation in this TV receiver is the picture tube. For continuous X-RAY RADIATION protection, the replacemnt tube must be exactly the same type tube as specified in the parts list.

SAFETY PRECAUTION

1. Potentials of high voltage are present when this receiver is operating. Operation of the receiver outside the cabinet or with the back board removed involves a shock hazard from the receiver.
   1) Servicing should not be attempted by anyone who is not thoroughly familiar with the precautions necesary when working on high voltage equipment.
   2) Always discharge the picture tube before handling the tube.The picture tube is highly evacuated and if briken, glass fragments will be violently expelled.
2. If any fuse in this TV receiveris blown, replace it with the FUSE specified in the Replacement Parts list.
3. When replacing a high wattage resistor (metal oxide film resistor) in circuit board, keep the resistor 10mm away from circuit board.
4. Keep wires away from high voltage or high temperature components.
5. This receiver must operate under AC260 volts, 50Hz. NEVER connect to DC supply or any other power or frequency.

PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in this have special safety-related characteristics.
These characteristics are often passed unnoticed by a visual inspection and the X-RAY RADIATION protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, watt-age,etc. Replacement parts which have these special safety characteristics are identified in this manual and its supplements, electrical components having such features are identified by designated symbol on the parts list.
Before replacing any of these components,read the parts list in this manual carefully.
The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create X-RAY Radiation.

SPECIFICATION

ITEMS / MODEL		GB14H3/14H4/20H3/20H4/21H4 T1/T2 14H3/14H4/20H3/20H4/21H4 T1/T2 F14H3/14H4/20H3/20H4/21H4 T1/T2 K14H3/14H4/20H3/20H4/21H4 T1/T2	REMARK
TV SECTION	STANDARD	PAL-I/II(GB MODEL),PAL-B/G(BLANK MODEL),PAL-B/G,SECAM-L/L(F MODEL) PAL/SECAM-B/G,DK(K MODEL)	
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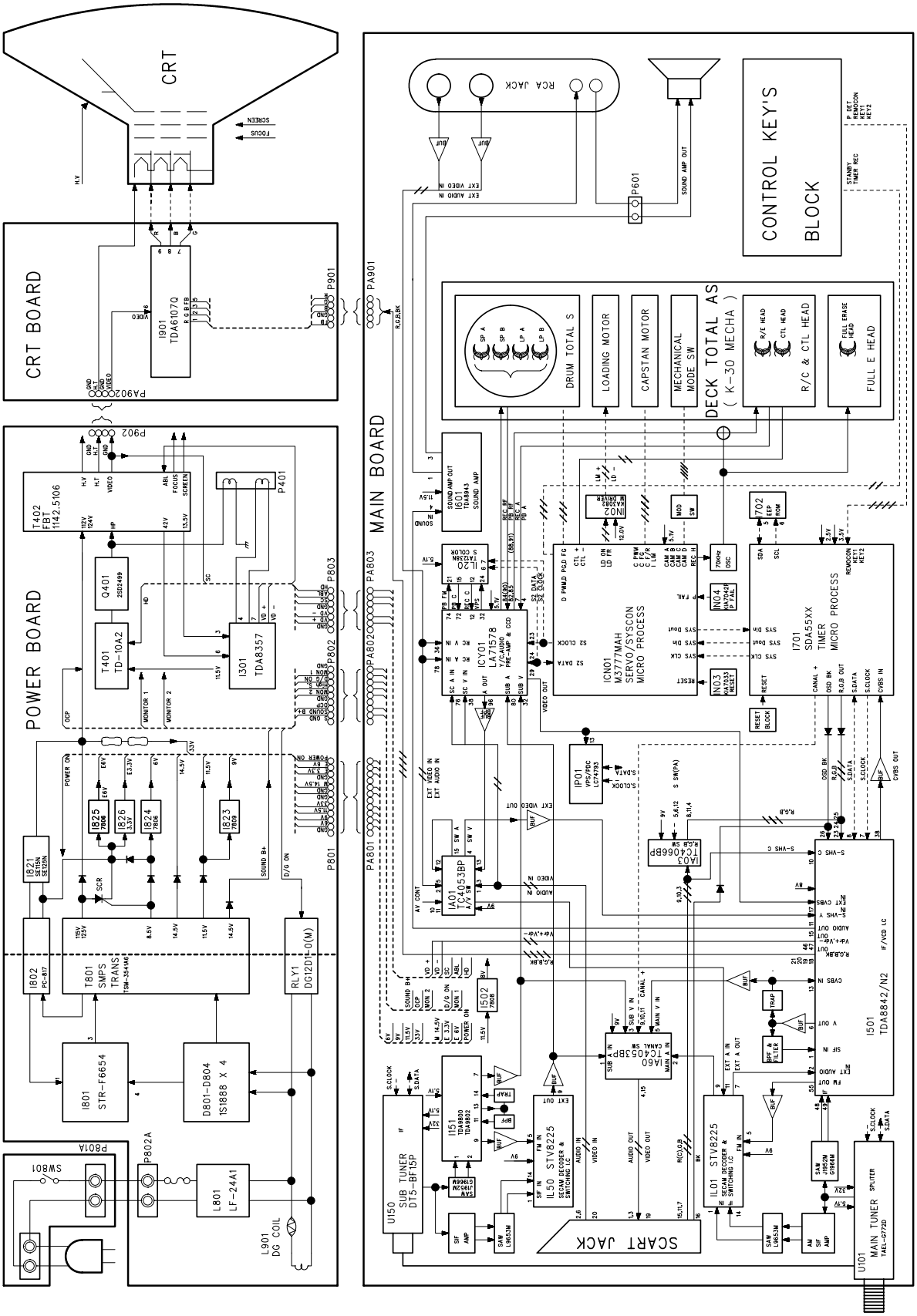
	SPEAKER	3Watts 8 Ohm	
	ANTENNA IMPEDANCE	75 Ohm unbalanced input	
	TUNING SYSTEM	FVS(FREQUENCY SYNTHESIS) TUNING	
	TUNER	VHF-L : E2-S7, VHF-H : S8-S36, UHF : S37-E69 (PAL-1=UHF ONLY)	
	NUMBER OF PROGRAM	100 PROGRAM	
	AUX, TERMINAL	SCART JACK(REAR) , RCA JACK(AV2 FRONT), HEADPHONE JACK	
	REMOTE CONTROLLER	R-46C with "AAA" type batteries	
	OTHER FEATURE	ON SCREEN DISPLAY, SLEEP TIMER, WAKE UP TIMER FULL AUTO SEARCH, MANUAL/FINE TUNING CHILD LOCK, PANEL LOCK, AUTO REPEAT, PICTURE TYPE SELECTION (NORMAL 1/2, FAVOURITE), INDEX SEARCH, TV/AV	
VIDEO SECTION	SINGLE SYSTEM	PAL/SECAM colour and CCIR mono chrome signals, 625lines/50fidlds.	
	RECORDING SYSTEM	2 HEAD / 4 HEAD	
	INPUT	1Vp-p, 75 ohm, unbalanced	
	OUTPUT	1Vp-p, 75 ohm, unbalanced	
	SIGNAL TO NOISE RATIO	45dB with NETTETE IMAGE control at center position	
	HORIZONTAL RESOLUTION	240lines with NETTETE IMAGE control at center position	
AUDIO	RECORDING SYSTEM	LONGITUDINAL TRACK	
	INPUT	-3.8dBm(500m Vrms), more than 47 Kohms, unbalanced	
	OUTPUT	-3.8dBm(500m Vrms). less than 1 Kohms, unbalanced	
	FREQUENCY RANGE	100Hz to 8KHz	
	SIGNAL TO NOISE RATIO	40dB(more than)	
GENERA	TEMPERATRE	5°C to 35°C(operating) -20°C to 60°C (storage temperature)	
	FORMAT	standard	
	TAPE WIDTH	12.65mm	
	TAPE SPEED	SP : 23.39mm/sec, LP : 11.70mm/sec	
	WITH FULLSIZE	SP : 240 min, win E-240 video cassette	
	CASSETTE	LP : 480min, win E-240 video cassette	

CIRCUIT BLOCK DIAGRAM



ALIGNMENT INSTRUCTIONS

1. MAIN TUNER AGC

1) Set a Pattern Generator with RF level 62 ±2 dBuV, 210.25 MHz.
2) Connect a OSCILLOSCOPE PROBE to P101 (pin #1) ,(TUNER AGC INPUT).
3) Adjust AGC UP/DOWN KEY the voltage drop about 1V DC over below it's maximum voltage.

2. SUB TUNER AGC

1) Set a pattern Generator with RF level 62 ±2dBuV, 210.25 MHz
2) Connect a OSCILLOSCOPE PROBE to P101(pin #3)
3) Press the REC-B key two times.
4) Ajust R157 on the MAIN PCB the voltage drop about 1V DC over below it's maximum voltage.

3. SCREEN

1) Apply a COLOR BAR PATTERN SIGNAL.
2) Press the "SCREEN" KEY.
3) Connect a OSCILLOSCOPE PROBE to P901 (CRT CATHODE R,G,B)
4) Adjust the screen volume on FBT such that the highest black level voltage 120V ±5Vdc.

* Another methode

1) Press "AV Key" in condition of AV no signal.
2) Press the "SCREEN" KEY.
3) Connect a OSCILLOSCOPE PROBE to P901 (CRT CATHODE R,G,B)
4) Adjust the screen volume on FBT such that the highest black level voltage 140V ±5Vdc.

4. WHITE BALANCE

1) Apply a COLOR BAR PATTERN SIGNAL.
2) Adjust the R,G,B UP/DOWN KEY of the other color which did not appear on the screen to obtain WHITE.

5. FOCUS

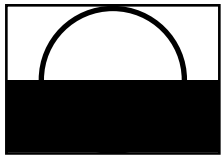
1) Apply a RETMA PATTERN SIGNAL.
2) Adjust the FOCUS VOLUME on FBT to obtain optimal resolution.

6. GEOMETRY

6-1. S-CORRECTION

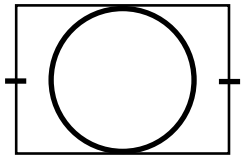
1) Apply a CROSSHATCH PATTERN SIGNAL.
2) Adjust the S-CORR UP/DOWN KEY obtain the same distance between horizontal lines.

6-2. VERTICAL SLOPE



1) Apply a RETMA PATTERN SIGNAL.
2) Pressing the V-SLOPE +/- KEY, the lower half of the screen is blanked.
3) Adjust the border line of blanked picture coincident with the center marks of the patte using the V-SLOPE +/- KEY.

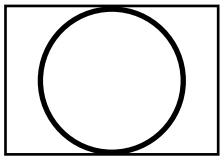
6-3. VERTICAL CENTER



1) Apply a RETMA PATTERN SIGNAL.
2) Adjust the center line of pattern coincident with the mechanical center marks of the CRT using the V-CENTER +/- KEY.

6-4. VERTICAL SIZE

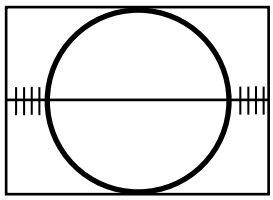
* The V-CENTER adjustment has to be done in advance.



1) Apply a RETMA PATTERN SIGNAL.
2) Adjust the upperside of the pattern coincident with the mechanical center marks of the CRT using the V-SIZE +/- KEY.

6-5. HORIZONTAL CENTER

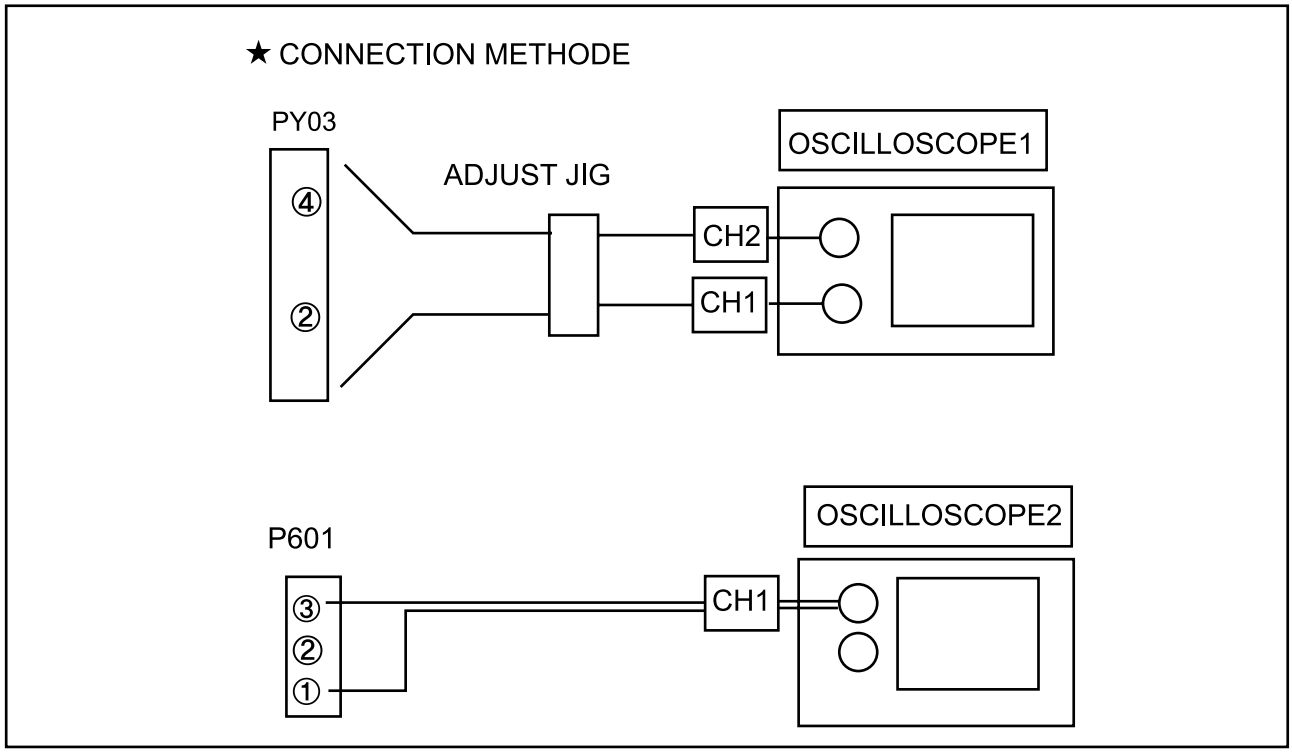
1) Apply a RETMA PATTERN SINGNAL.
2) Adjust picture centering with H-CENTER +/- KEY.



7. DECK ADJUSTMENT

7-1. X-POSITION AND P2,P3 ADJUSTMENT

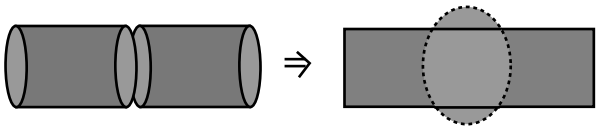
1) Adjust point : X-POSITION
   Checking point : oscilloscope ch1 = H/SW (PY03 #2)
   oscilloscope ch2 = PB ENVE (PY03 #4)
   Triggering : CH1
   Measuring Equipment : oscilloscope, path jig
   Mode : PLAYBACK, ATK OFF
   Test tape : DP-2 (6KHz)



* Adjustment Procedure

1) Connect the PATH JIG to PY03 after Test tape PLAYBACK
2) Insert the DP-2 TAPE. (Auto playback)
3) Pressing the “ATK OFF” KEY.
4) Adjust the waveform of PB ENVE to maximum(figure1) using X-position VR.
5) Adjust IN/OUTPUT GUIDE until the exact waveform appear as bellow figure2.

max.
(figure 1)



(figure 2)

7-2. AUTO PG ADJUSTMENT

1) After adjustment of 7-1. Press the “REC.” button.
2) Eject the Test tape.

7-3. AZIMUTH ADJUSTMENT

1) Adjust point : AZIMUTH SCREW
   Checking point : SOUND OUTPUT (P601)
   Measuring Equipment : oscilloscope or audio level meter.
   Mode : PLAYBACK
   Test tape : DP-2 (6KHz)

* Adjustment Procedure

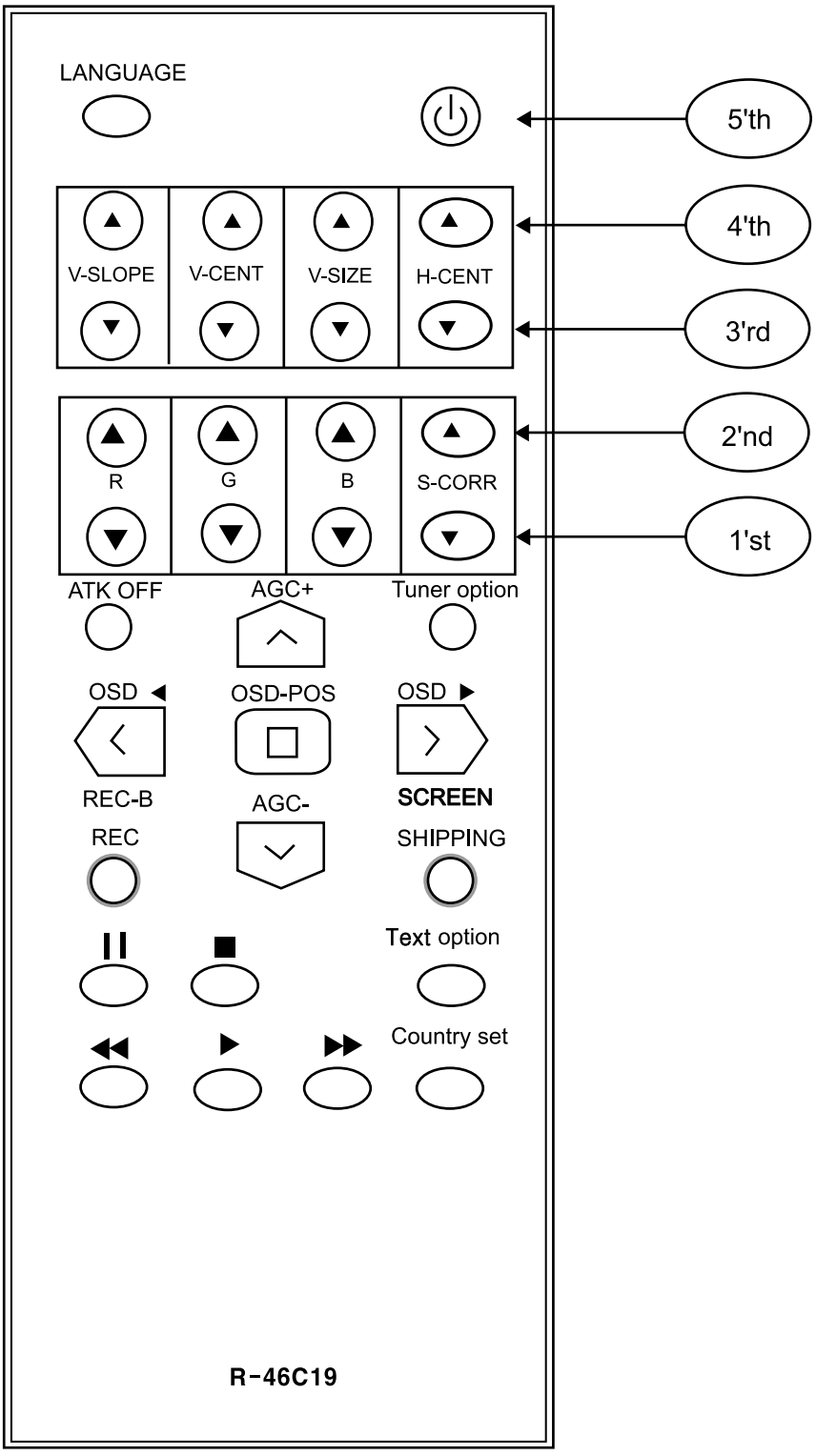
1) Connect the measuring equipment to the AUDIO OUTPUT (P601) terminal.
2) After test tape playback, adjust the output level maximally by varing the azimuth screw.
3) Fix the azimuth screw with locking paint.

* If EEPROM (I702) has been changed :

- Option data has to be changed and
- all alignment function has to be readjusted.

SERVICE REMOCON

1. DIAGRAM



***To enter the "SERVICE MODE"**
Press NORMAL => AV => SLEEP => CLEAR => POWER buttons in regular sequency within 10seconds using USER REMOCON after setting ST-BY.

2. HOW TO CHECK TV SECTION WITHOUT VCR DECK

If you want to check TV section without DECK mechanism, then please perform in this order.

1) Pull out the power cord.
2) Remove the VCR DECK mechanism.
3) Supply the main power. (Main sw on)
4) Wait for about 10 seconds. (You can see the light of power LED if the TV is normal.)
5) Turn on the TV using the remocon. (You can see the OSD "EMERGENCY")
6) Check the TV section.

3. Refer to general adjustment

1) S-CORR +/- (S-CORRECTION)
   Press this button to adjust the same distance between horizontal lines on screen of crosshatch pattern.
2) V-SLOPE +/- (VERTICAL SLOPE)
   Press this button to adjust the border line of blanked picture coincident with the center marks of the pattern.
3) V-CENT +/- (VERTICAL CENTER)
   Press this button to adjust the center line of the pattern coincident with the mechanical center marks of the CRT on screen of RETMA pattern.
4) V-SIZE +/- (VERTICAL SIZE)
   Press this button to adjust the upperside of the pattern coincident with the mechanical center marks the CRT on screen of RETMA pattern.
5) H-CENT +/- (HORIZONTAL CENTER)
   Press this button to adjust picture centering with H-center on screen of RETMA pattern.
6) R,G,B +/- (WHITE BALANCE)
   The screen is become WHITE adjust R,G,B level by this button.
7) ATK OFF (Auto tracking off)
   Press this button to adjust X-Position adjustment.
   Front panel's LED's are lighted up if you press this button.
   Press the PB button.
   ATK OFF : ● ● (RED, RED)
   ATK MIN : ◐ ● (BLINK, OFF)
   ATK MAX : ○ ◐ (OFF, BLINK)
   ATK ON : ◐ ◐ (BLINK,BLINK)
; LEFT LED = ST-BY, RIGHT LED = REC/T.REC
8) REC
   Press this button to adjust AUTO PG.
9) SCREEN
   Press this button to adjust the screen volume on FBT.
10) SHIP (SHIPPING CONDITIONS)
   Press this button to set the SHIPPING CONDITIONS.
11) REC-B (Only 2-TUNER Model)
   Press this button to adjust SUB TUNER AGC.
   Press once : picture is displayed colour pattern.
   Press once more : picture is displayed black/white pattern.
12) AGC +/-
   Press this button to adjust MAIN TUNER AGC.

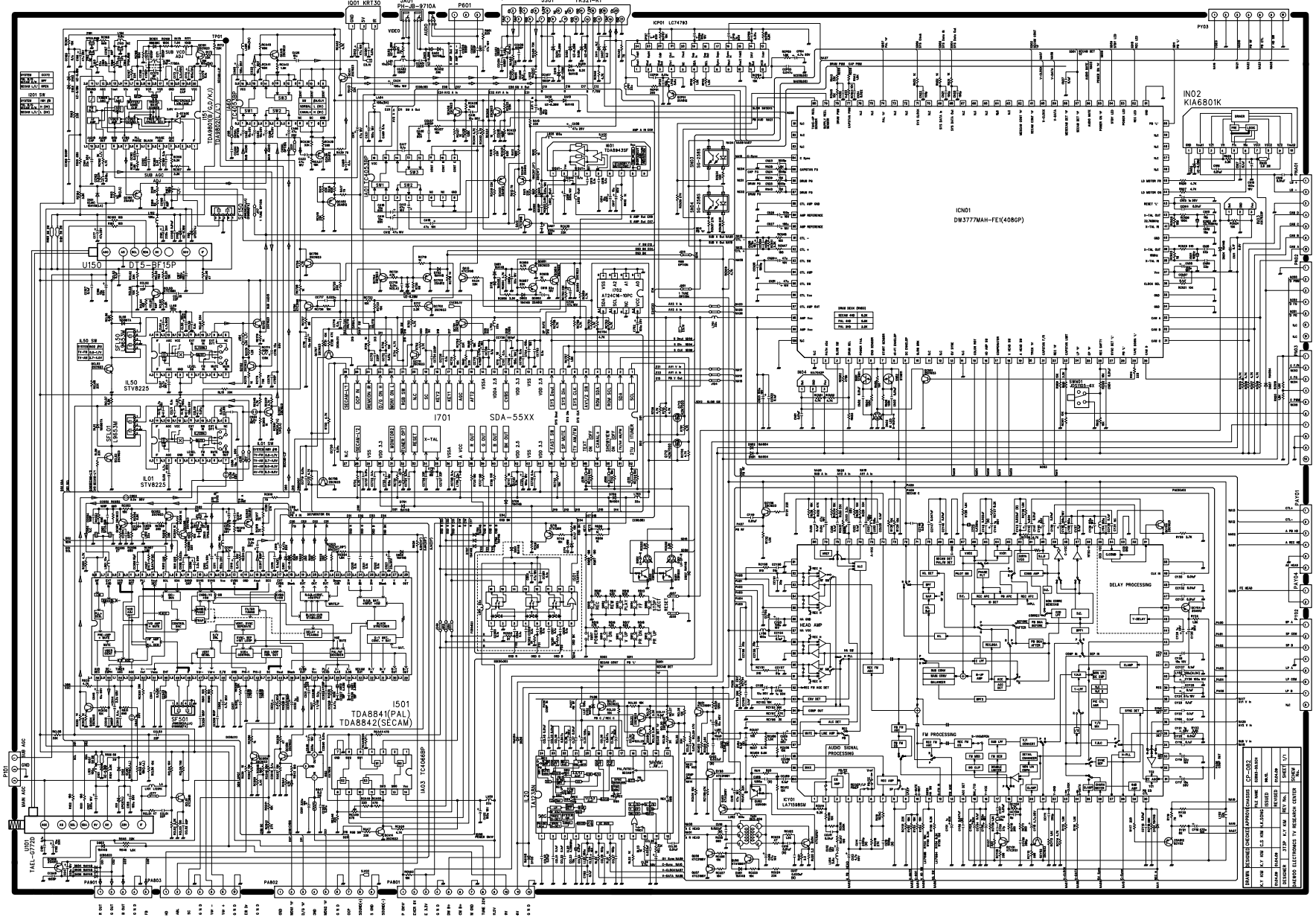
13) STILL
Press this button to enter the PAUSE/STILL mode.
14) STOP
Press this button to enter the STOP mode.
15) REW/REV
Press this button to enter the REW/REV mode.
16) PLAYBACK
Press this button to enter the PLAYBACK mode.
17) FF/CUE
Press this button to enter the FF/CUE mode.
18) LANGUAGE
Press this button to enter the LANGUAGE SELECTION mode.
You can select the language you want by press AGC + (moving up) or AGC - (moving down) buttons.
19) OSD-POS / OSD ◀ / OSD ▶
Press OSD-POS button to enter the OSD Position adjust mode.
You can adjust OSD position you want by press OSD ◀ or OSD ▶ buttons.
20) COUNTRY SET
Press this button to enter the COUNTRY SET mode.
Press the this button :
Option1 (PAL-I/I system)
Option2 (PAL-B/G system)
Option3 (PAL-B/G, SECAM-L/L' system)
Option4 (PAL/SECAM-B/G, D/K system, EAST Europe)
Option5 (PAL/SECAM-B/G, D/K system, Middle ASIA)
Option6 (PAL-B/H system)

21) Tuner Option
Press this button to set Tuner option.
Press the this button : 1. Daewoo
2. Philips
3. LG
22) Text Option
Press this button to set Text option
Press the this button : 1. West Europe
2. East Europe
3. Cyrillic
4. Greek
5. Arabic
6. Iranian

* If you forget your "child lock secret No."
-> 1. Enter the SERVICE MODE.
2. POWER OFF/ON

SCHEMATIC DIAGRAM

CP-082 CHASSIS MAIN SCHEMATIC DIAGRAM (03893-00)



SCHEMATIC DIAGRAM

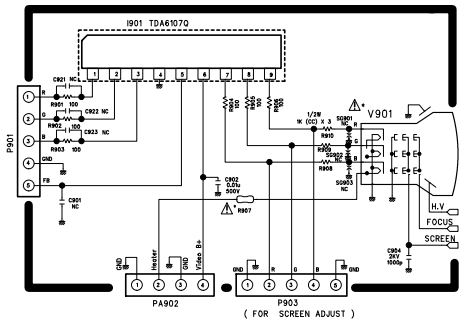
SAFETY CAUTION :

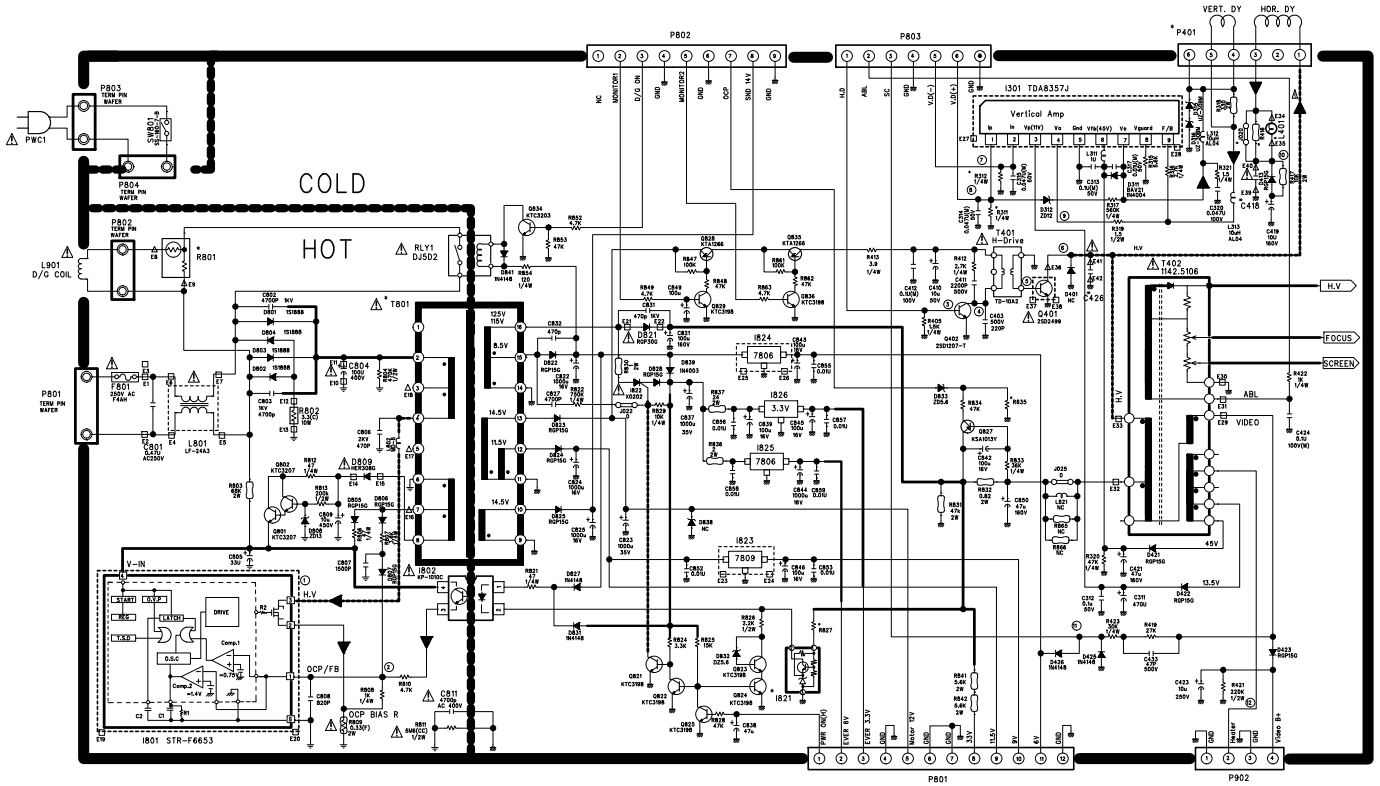
BEFORE SERVICING THIS CHASSIS IT IS IMPORTANT THAT THE SERVICE TECHNICIAN READ AND FOLLOW THE "X-RAY RADIATION PRECAUTION. "SAFETY PRECAUTIONS" AND "PRODUCT SAFETY NOTICE" IN THE SERVICE MANUAL.

PRODUCT SAFETY NOTE :

COMPONENTS MARKED WITH ⚠ ARE IMPORTANT FOR MAINTAINING. THE SAFETY OF THE SET AND SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL OR SPECIFIED ONE IN THE PARTS LIST.
DON'T DEGRADE THE SAFETY OF THE SET THROUGH IMPROPER SERVICING.

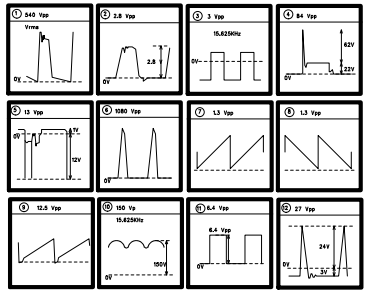
CP-082 CHASSIS
POWER / DEF. PART CIRCUIT





DIFFRENT PARTS FOR SIZE

NO	LOC	PART	14" (CP1)	20" (D05A)	21" (PHILPS)
1	R311	R METAL FILM	1/4W 1.2K	1/4W 1.5K	1/4W 2K
2	R312	R METAL FILM	1/4W 1.2K	1/4W 1.5K	1/4W 2K
3	C418	C MYLAR	0.68uF/200V	0.68uF/200V	0.47uF/200V
4	C438	C MYLAR	7200pF/1.6KV	7200pF/1.6KV	8200pF/1.6KV
5	RC523	R CHIP	1/10 75K	1/10 75K	1/10 91K
6	R525	R CARBON FILM	1/4W 6.8K	1/4W 5.6K	1/4W 5.1K
7	R907	R M or R FUSIBLE	1W 0.1R	1W 3	1W 3.3
8	ZZ131	CRT GROUND NET	14015-1015-P	21015-1015-P	21015-1016-P
9	ZZ132	COIL DEGAUSSING	DC-1650	DC-2050	DC-2150
10	SC101	SOCKET CRT	PC5633A	PC5633A	PC5629-03C
11	V901	CRT	A34AGT14X71	A48ALL90X(W)	A51EAL155X17
12	R801	POSISTOR	DEC1406M230	DPC7R0M230	DPC7R0M290
13	P401	CONN WAFER	YFW500-05	YFW500-05	YFW500-06
14	L401	COIL LINEARITY	L-125	N.C	L-152
15	R416	R METAL FILM	2W 1K OHM J	N.C	2W 1K OHM J
16	JD20	WIRE COPPER	N.C	AWG22 1/0.65	N.C
17	R827	R CARBON FILM	1/2W 1K	0	0
18	T801	TRANS SMPS	TSM-3541A7	TSM-3541A8	TSM-3541A8
19	IB21	IC	SC1124	SE125N	SE125N
20	R611	R CARBON FILM	1/6W 22K	1/6W 18K	1/6W 18K
21	R835	R CARBON FILM	1/6W 75K	1/6W 36K	1/6W 36K

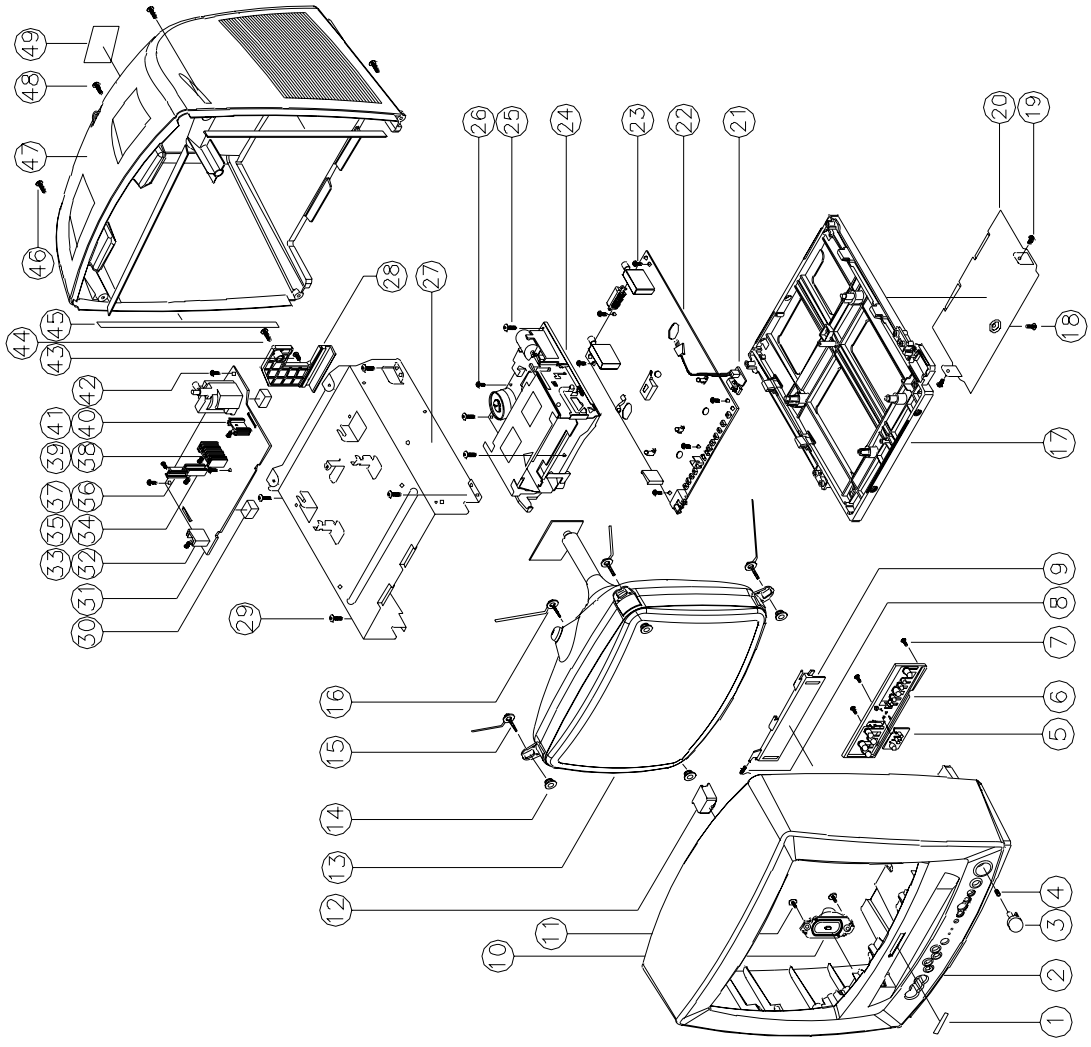


DRAWN	DESIGNED	CHECKED	APPROVE	CHASSIS	CP-082
J.H KIM	J.H KIM		C.S KIM	FILE NAME	
01.04.02				ISSUED	13111-MP
				REVISED	
DESIGNER	JT JP J.H KIM		REV No.	SHEET	1/1
DAEWOO ELECTRONICS TV RESEARCH CENTER				SCHEM No.	

EXPLODED VIEW

1. 14H3

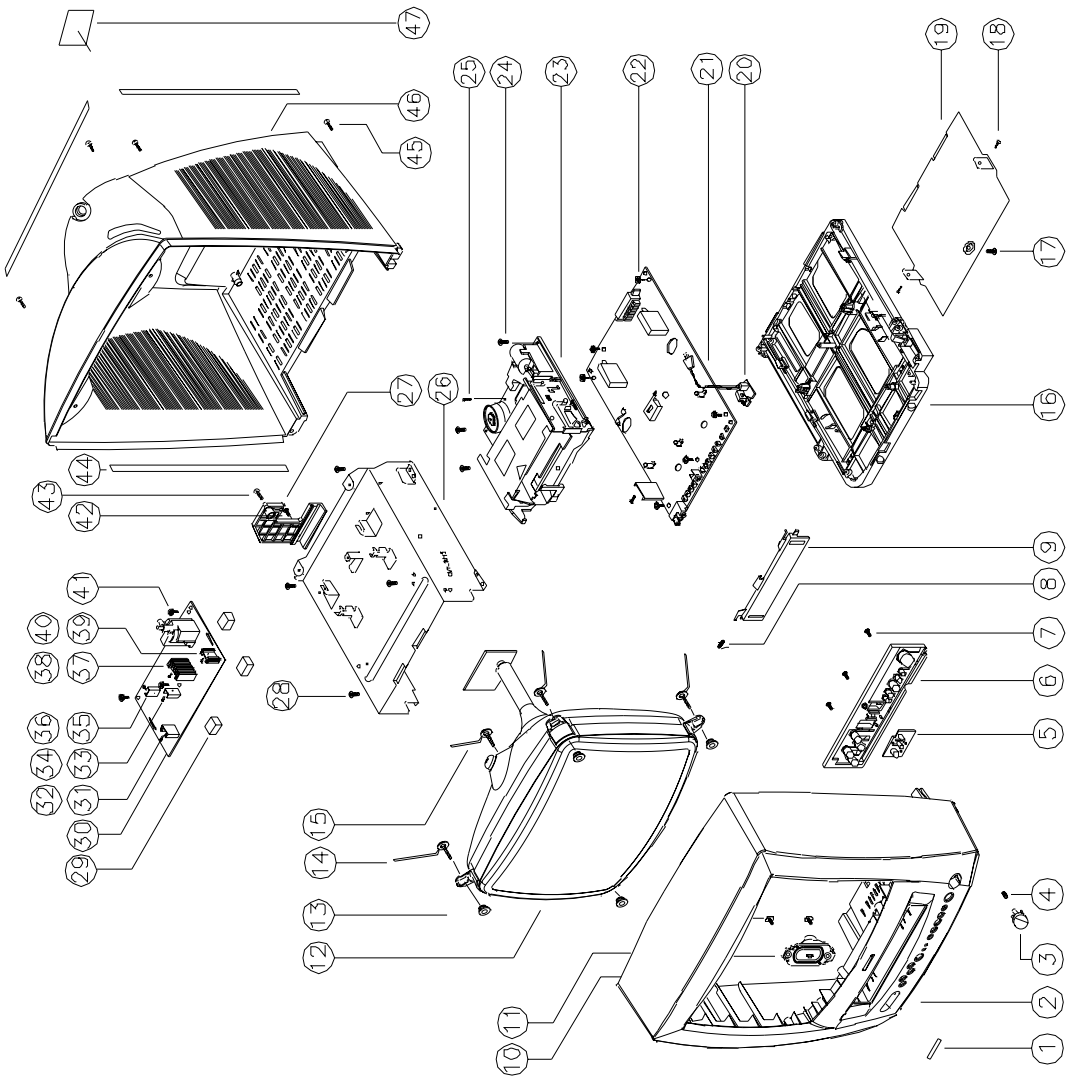
No	PART CODE	PART NAME	Q'ty	MATERIAL	REMARKS
49	4855415800	SPEC PLATE	1	150ART P/E FILM	
48	7172401612	SCREW TAPPTITE	1	TT2 TRS 4X16 MFZN BK	47+12
47	4852158501	COVER BACK	1	HIPS GY	
46	7172401612	SCREW TAPPTITE	4	TT2 TRS 4X16 MFZN BK	47+2
45	4857817610	CLOTH BLACK	3	FELT T0.7 L=300	
44	7172401612	SCREW TAPPTITE	1	TT2 TRS 4X16 MFZN BK	28+31
43	7178301011	SCREW TAPPTITE	1	TT2 WAS 3X10 MFZN	28+27
42	7178301011	SCREW TAPPTITE	3	TT2 WAS 3X10 MFZN	31+27
41	7174300811	SCREW TAPPTITE	1	TT2 RND 3X8 MFZN	
40	4857031300	HEAT SINK	1	AL EX	
39	7174300811	SCREW TAPPTITE	1	TT2 RND 3X8 MFZN	
38	4857028201	HEAT SINK	1	AL EX	
37	7174300811	SCREW TAPPTITE	1	TT2 RND 3X8 MFZN	
36	4857027800	HEAT SINK	1	AL EX	
35	7174300811	SCREW TAPPTITE	1	TT2 RND 3X8 MFZN	
34	4857027800	HEAT SINK	1	AL EX	
33	7174300811	SCREW TAPPTITE	1	TT2 RND 3X8 MFZN	
32	4857027701	HEAT SINK	1	AL EX	
31	4859813111	PCB POWER	1		
30	4857913304	RUBBER CUSHION	2	FR RUBBER SPONGE	
29	7172401612	SCREW TAPPTITE	4	TT2 TRS 4X16 MFZN BK	27+17
28	4853953200	BRKT PCB	1	FR HIPS BK	
27	4857248300	SHIELD TOP	1	SECC T0.8	
26	7178301211	SCREW TAPPTITE	1	TT2 WAS 3X12 MFZN	24+17
25	7172401612	SCREW TAPPTITE	3	TT2 TRS 4X16 MFZN BK	24+17
24	4851931000	DECK AS	1	DRS-9400N	
23	7178301011	SCREW TAPPTITE	6	TT2 WAS 3X10 MFZN	22+17
22		PCB MAIN	1		
21		POWER SWITCH PCB	1		
20	4857243000	SHIELD BOTTOM	1	SECC-O T0.5	
19	7178301011	SCREW TAPPTITE	2	TT2 WAS 3X10 MFZN	20+27
18	7178301011	SCREW TAPPTITE	1	TT2 WAS 3X10 MFZN	20+17
17	4853818100	FRAME MAIN PCB	1	FR HIPS BK	
16	4856013301	SCREW CRT FIXING	2	30X140 YL	13+2
15	4856013300	SCREW CRT FIXING	2	30X80 BK	13+2
14	4856214902	WASHER RUBBER	4	CR T0.2	
13	PTRTPWA643	CRT AS	1		
12	4853312501	RETA BACK	1	HIPS NC	
11	4856013600	SCREW SPKR FIX	2	SWRM+SECC	10+2
10	48A8306000	SPEAKER SYSTEM	1	5S-5570A01 3W 8OHM	
9	4852817761	DOOR F/L	1	ABS GY	
8	4856723400	SPRING	1	SWPB ø0.4	
7	7178301011	SCREW TAPPTITE	3	TT2 WAS 3X10 MFZN	6+2
6	4854948301	BUTTON CH	1	ABS GY	
5	4855543100	DECO SENSOR	1	PMMA	
4	4856716000	SPRING	1	SWPA ø0.4	
3	4854858901	BUTTON POWER	1	ABS GY	
2	4852076601	MASK FRONT	1	HIPS GY	
1	485561365S	MARK BRAND	1	SILVER ETCHING DIA-CUT	



EXPLODED VIEW

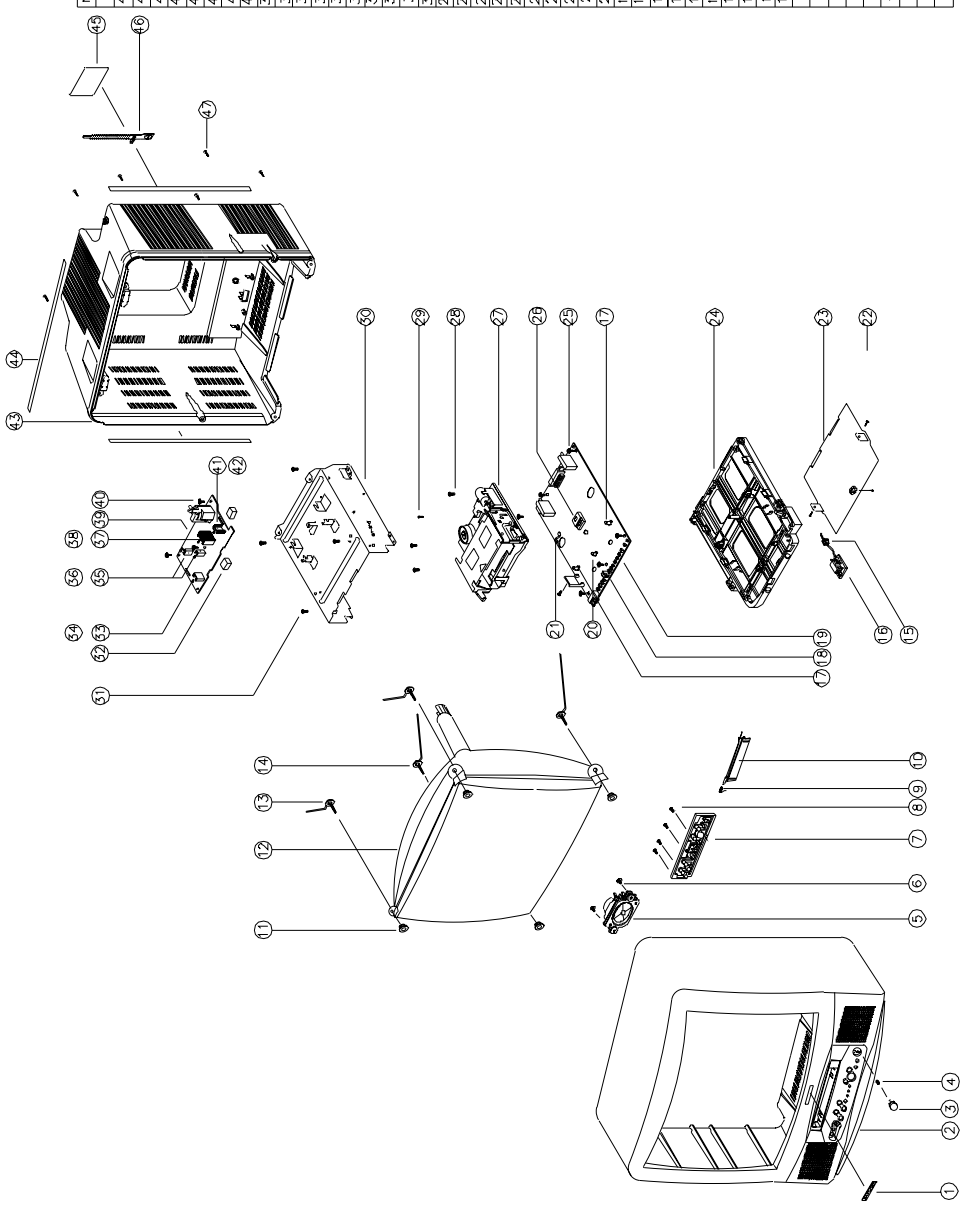
2. 14H4

No	PART CODE	PART NAME	Qty	MATERIAL	REMARKS
47	4855415800	SPEC PLATE	1	150ART P/E FILM(C/TV)	
46	4852158601	COVER BACK	1	HIPS GY	
45	7172401812	SCREW TAPPTITE	4	TT2 TRS 4X16 MFZN BK	2+46
44	4857817810	CLOTH BLACK	3	FELT 300X200X0.7	
43	7174301612	SCREW TAPPTITE	1	TT2 TRS 4X16MFZN BK	26+27
42	7174301011	SCREW TAPPTITE	1	TT2 WAS 3X10 MFZN	26+27
41	7174301011	SCREW TAPPTITE	3	TT2 WAS 3X10 MFZN	26+30
40	7174300811	SCREW TAPPTITE	1	TT2 RND 3X8 MFZN	
39	4857031300	HEAT SINK	1	AL EX	
38	7174300811	SCREW TAPPTITE	1	TT2 RND 3X8 MFZN	
37	4857028201	HEAT SINK	1	AL EX	
36	7174300811	SCREW TAPPTITE	1	TT2 RND 3X8 MFZN	
35	4857027800	HEAT SINK	1	AL EX	
34	7174300811	SCREW TAPPTITE	1	TT2 RND 3X8 MFZN	
33	4857027800	HEAT SINK	1	AL EX	
32	7174300811	SCREW TAPPTITE	1	TT2 RND 3X8 MFZN	
31	4857027701	HEAT SINK	1	AL EX	
30	4859813111	POWER PCB	1		
29	4857913304	RUBBER CUSHION	3	FR RUBBER SPONGE	
28	7172401612	SCREW TAPPTITE	4	TT2 TRS 4X16 MFZN BK	16+26
27	4853953200	BRKT PCB	1	FR HIPS BK	
26	4867248300	SHIELD TOP	1	SECC T0.8	
25	7178301212	SCREW TAPPTITE	1	TT2 WAS 3X12 MFZN BK	16+23
24	7172401612	SCREW TAPPTITE	3	TT2 TRS 4X16 MFZN BK	16+23
23	4861942300	DECK AS	1	DRS-940DN	
22	7178301011	SCREW TAPPTITE	6	TT2 WAS 3X10 MFZN	16+21
21	4859803893	MAIN PCB	1		
20		POWER SWITCH PCB	1		
19	4867243000	SHIELD BOTTOM	1	SECC-O T0.5	
18	7178301011	SCREW TAPPTITE	1	TT2 WAS 3X10 MFZN	16+19
17	7178301011	SCREW TAPPTITE	2	TT2 WAS 3X10 MFZN	19+26
16	4858181100	FRAME MAIN PCB	1	FR HIPS BK	
15	4856013300	SCREW CRT FIXING	2	30X80 BK	
14	4856013301	SCREW CRT FIXING	2	30X140 YL	
13	4856215402	WASHER RUBBER	4	CR T2.0	
12		CRT AS	1	DVT-14H1F	
11	4856013600	SCREW SPKR FIX	2	SWRM+SECC	2+10
10	4848306000	SPEAKER SYSTEM	1	3W 8OHM A30C-560	
9	4852817761	DOOR F/L	1	ABS GY	
8	4856723400	SPRING	1	SWPB ø0.4	
7	7178301011	SCREW TAPPTITE	3	TT2 WAS 3X10 MFZN	2+6
6	4854948401	BUTTON CH	1	ABS GY	
5	4860543200	DECO SENSOR	1	PMMA	
4	4856715000	SPRING	1	SWPA ø0.5	
3	4854859001	BUTTON POWER	1	ABS GY	
2	4852076701	MASK FRONT	1	HIPS GY	
1	4866513655	MARK BRAND	1	SILVER ETCHING DIA-CUT	



3. 20H3

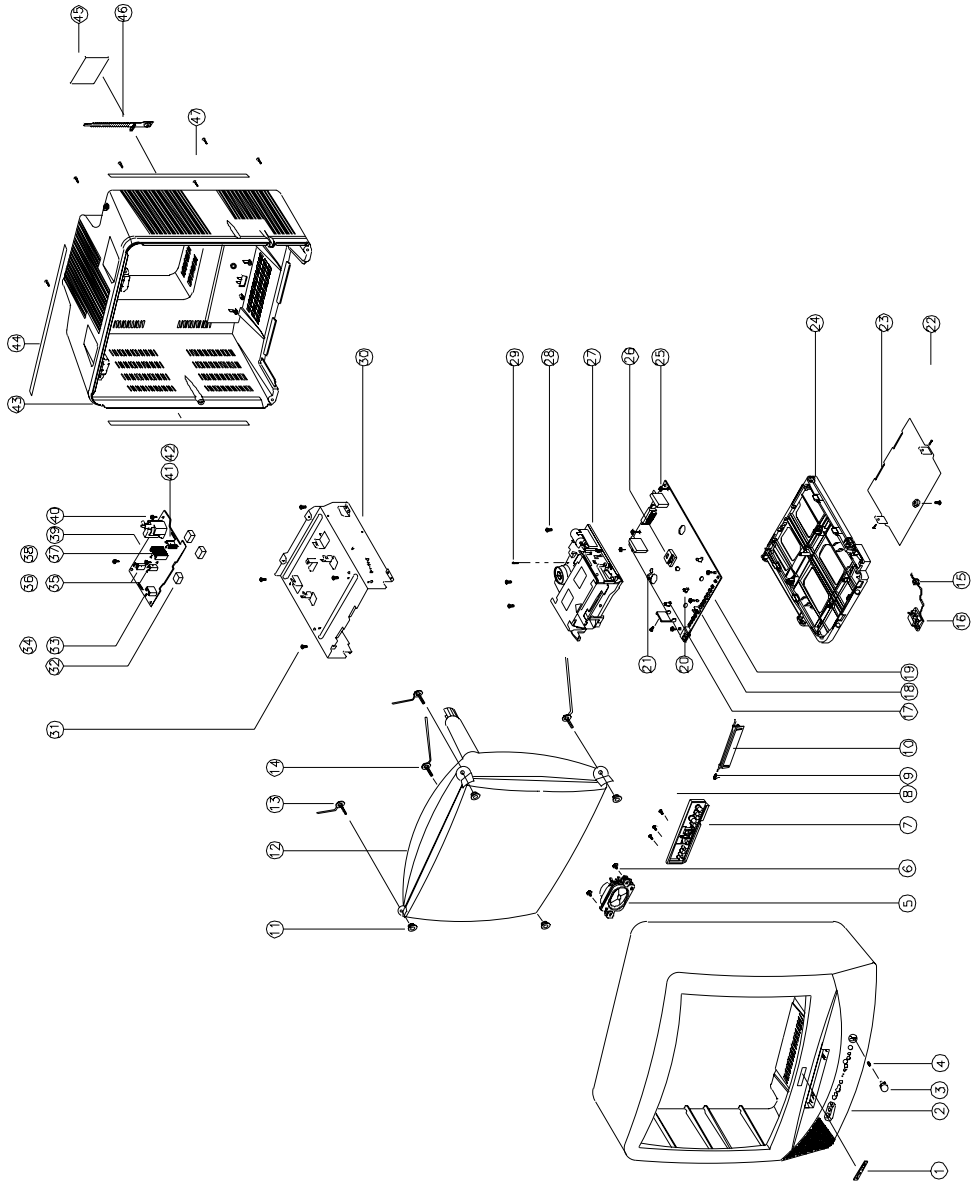
No	PART CODE	PART NAME	Q'ty	MATERIAL	REMARKS
47	7122401612	SCREW TAPPING	6	T2S TRS4X16MFZN BK	2+42
46	97P4602700	CLAMP CORD	1	NYLON 66 BLK 52B0N	
45	4855415B00	SPEC PLATE	1	150ART P/E FILM	
44	4857B17610	CLOTH BLACK	3	FELT 300X20X0.7	
43	4852153101	COVER BACK	1	HIPS GY	
42	7174301011	SCREW TAPPTITE	1	T2S WAS 3X10 MFZN	
41	4857027610	HEAT SINK	1	AL EX	
40	7128301011	SCREW TAPPTITE	3	T2S WAS 3X10 MFZN	3D+39
39		POWER PCB	1		
38	7174301011	SCREW TAPPTITE	1	T2S WAS 3X10 MFZN	
37	4857028201	HEAT SINK	1	AL EX	
36	7174300811	SCREW TAPPTITE	1	TT2 RND 3X8 MFZN	
35	4857027800	HEAT SINK	1	AL EX	
34	7174300811	SCREW TAPPTITE	1	TT2 RND 3X8 MFZN	
33	4857027701	HEAT SINK	1	AL EX	
32	4857913304	RUBBER CUSHION	2	FR RUBBER SPONGE	
31	7122401612	SCREW TAPPTITE	4	T2S TRS 4X16 MFZN BK	23+30
30	4857248300	SHIELD TOP	1	SECC T0.8	
29	7124301211	SCREW TAPPTITE	1	T2S RND 3X12 MFZN	23+27
28	7122401612	SCREW TAPPTITE	3	T2S TRS 4X16 MFZN BK	23+27
27	4851931000	DECK AS	1	DRS-9400N	
26	97P0475B00	CASE SHI PREAMP	1	ET T0.4	
25	7128301212	SCREW TAPPTITE	6	TT2 WAS 3X12 MFZN BK	19+23
24	4853818100	FRAME MAIN PCB	1	FR HIPS BK	
23	4857243000	SHIELD BOTTOM	1	SECC-O T0.5	
22	7128301011	SCREW TAPPTITE	3	T2S WAS 3X10 MFZN	
21	4853948400	BRKT EARTH	1	C5212P-1/2M T0.15	
20	97P2343500	HOLDER TR	2	ABS FR	
19		MAIN PCB	1		
18	DLH2PR-----	LED BLOCK	2	LH-2P-R	
17	97P2339600	HOLDER IR	1	ABS	
16		POWER SWICH PCB			
15	4853535500	HOLDER CORD	1	NYLON66	
14	4856013302	SCREW CRT FXING AS	2	L=30 I=19D	2+12
13	4856013300	SCREW CRT FIXING AS	2	L=30 I=8D	2+12
12		CRT (20")	1	ORION CRT	
11	4856215402	WASHER RUBBER	4	CR T2.0	
10	4852B17776	DOOR F/L	1	ABS GY	
9	4856723400	SPRING F/L DOOR	1	SWPB PIE ΦD.4	
8	7128301011	SCREW TAPPING	4	T2S WAS 3X10 MFZN	2+7
7	4851933500	BUTTON CRTL AS	1	6542900+4948101	
6	4856013600	SCREW SPKR AS	2	SWRM+SECC	2+5
5		SPKR BRKT AS	1	3951901+3952500	
4	4856716000	SPRING	1	SWPA PIE0.5	
3	4854858801	BUTTON POWER	1	ABS GY	
2	4852070901	MASK FRONT	1	HIPS GY	
1	4855615955	MARK BRAND	1	SILVER	



EXPLODED VIEW

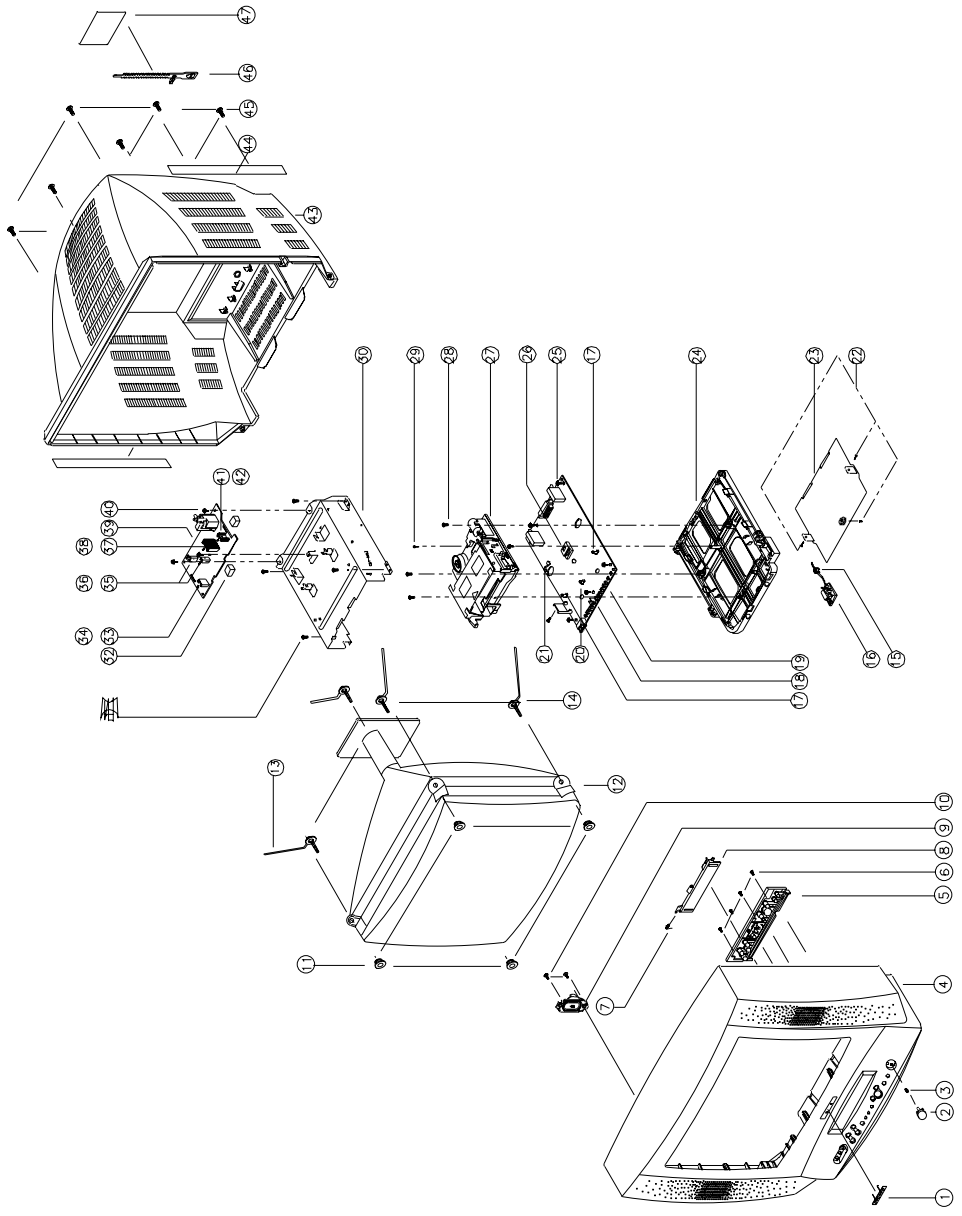
4. 20H4

No	PART CODE	PART NAME	Q'ty	MATERIAL	REMARKS
47	7122401612	SCREW TAPPING	6	T2S TRS4X16MFZN BK	2+42
46	97P4602700	CLAMP CORD	1	NYLON 66 BLK 5280N	
45	4855415800	SPEC PLATE	1	15DART P/E FILM	
44	4857817610	CLOTH BLACK	3	FELT 300X220X0.7	
43	4852158101	COVER BACK	1	HIPS GY	
42	7174301011	SCREW TAPPTITE	1	T2S WAS 3X10 MFZN	
41	4857027610	HEAT SINK	1	AL EX	
40	7174301011	SCREW TAPPTITE	3	T2S WAS 3X12 MFZN BK	30+39
39		POWER PCB			
38	7174301011	SCREW TAPPTITE	1	T2S WAS 3X10 MFZN	
37	4857028201	HEAT SINK	1	AL EX	
36	7174300811	SCREW TAPPTITE	1	TT2 RND 3X8 MFZN	
35	4857027800	HEAT SINK	1	AL EX	
34	7174300811	SCREW TAPPTITE	1	TT2 RND 3X8 MFZN	
33	4857027701	HEAT SINK	1	AL EX	
32	4857913304	RUBBER SPONG	3	13.5X11X30	
31	7122401612	SCREW TAPPTITE	4	T2S TRS 4X16 MFZN BK	23+30
30	4857242900	SHIELD TOP	1	SECC T=0.8	
29	7174301212	SCREW TAPPTITE	1	TT2 RND 3X10 MFZN	23+27
28	7122401612	SCREW TAPPTITE	3	T2S TRS 4X16 MFZN BK	23+27
27	4851930100	DECK AS	1	DRP-7103(2H0,SP)	
26	97P0475800	CASE SHI PREAMP	1	ET T0.4	
25	7124301212	SCREW TAPPING	6	TT2 WAS 3X12 MFZN BK	23+45
24	4853818100	FRAME MAIN PCB	1	FR HIPS BK	
23	4857243000	SHIELD BOTTOM	1	SPTH-C T0.3	
22	7128301011	SCREW TAPPING	3	T2S WAS 3X10 MFZN BK	19+23
21	4853948400	BRKT EARTH	1	C5212P-1/2H T0.15	
20	97P2343500	HOLDER TR	2	ABS	
19		MAIN PCB	1		
18	4853530800	HOLDER LED	1	PP	
17	97P2339600	HOLDER IR	1	ABS	
16		POWER PCB	1		
15	7128301212	HOLDER CORD	1	NYROLN	
14	4856013302	SCREW CRT FIXING AS	2	L=30 I=190	2+12
13	4856013300	SCREW CRT FIXING AS	2	L=30 I=80	2+12
12		CRT (20")	1	ORION CRT	
11	4856215402	WASHER RUBBER	4	CR T2.0	
10	4852817761	DOOR F/L	1	ABS GY	
9	4856723400	SPRING F/L DOOR	1	SWPB PIE Ø0.4	
8	7128301011	SCREW TAPPING	3	T2S WAS 3X10 MFZN	2+7
7	4851944200	BUTTON CRTL AS	1	4948501+5543300	
6	4856013600	SCREW SPKR AS	2	SWRM+SECC	2+5
5		SPKR BRKT AS	1	3951901+3952500	
4	4856716000	SPRING	1	SWPA PIE0.5	
3	4854859101	BUTTON POWER	1	ABS GY	
2	4852D76801	MASK FRONT	1	HIPS GY	
1	4855615955	MARK BRAND	1	SILVER	



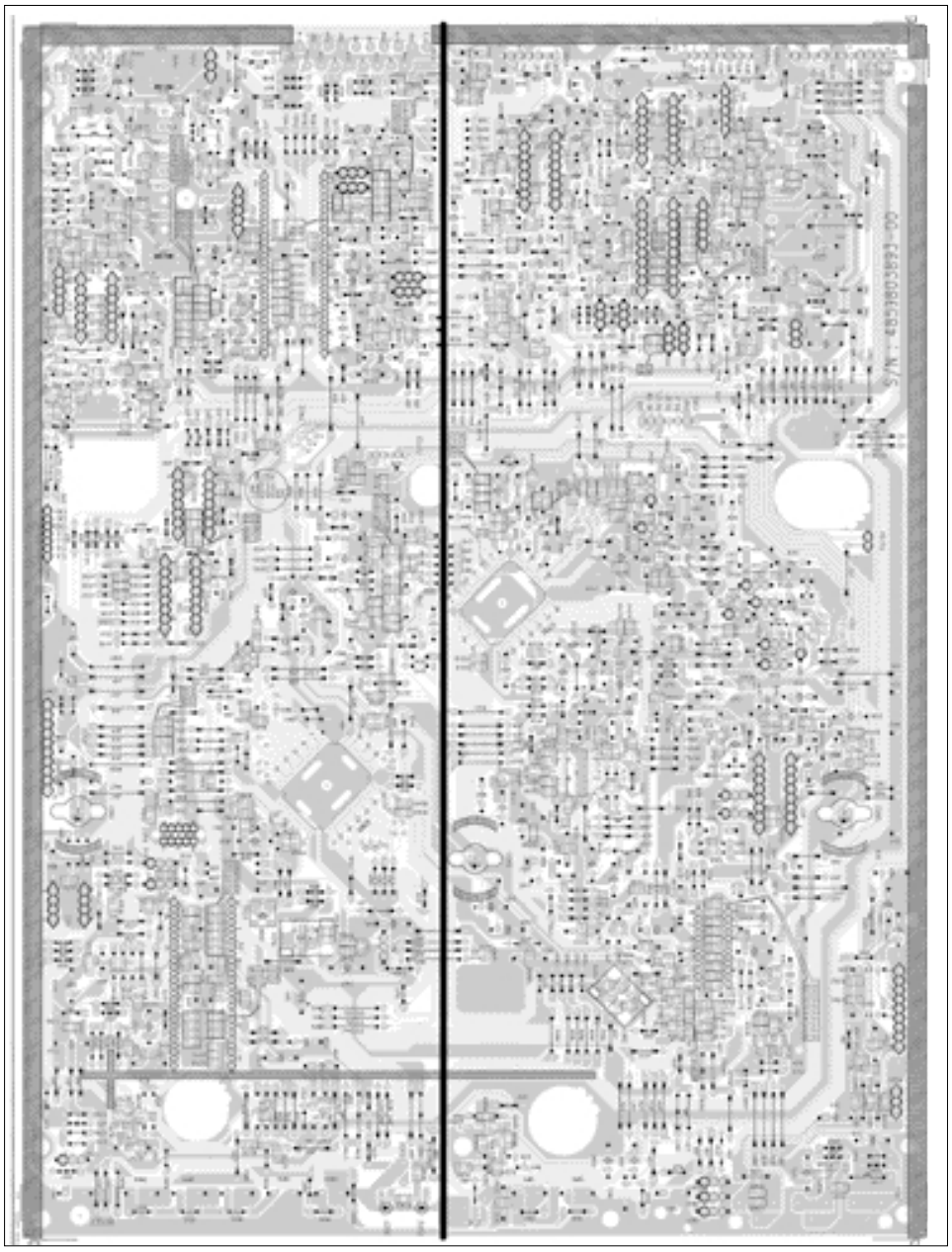
5. 21H4

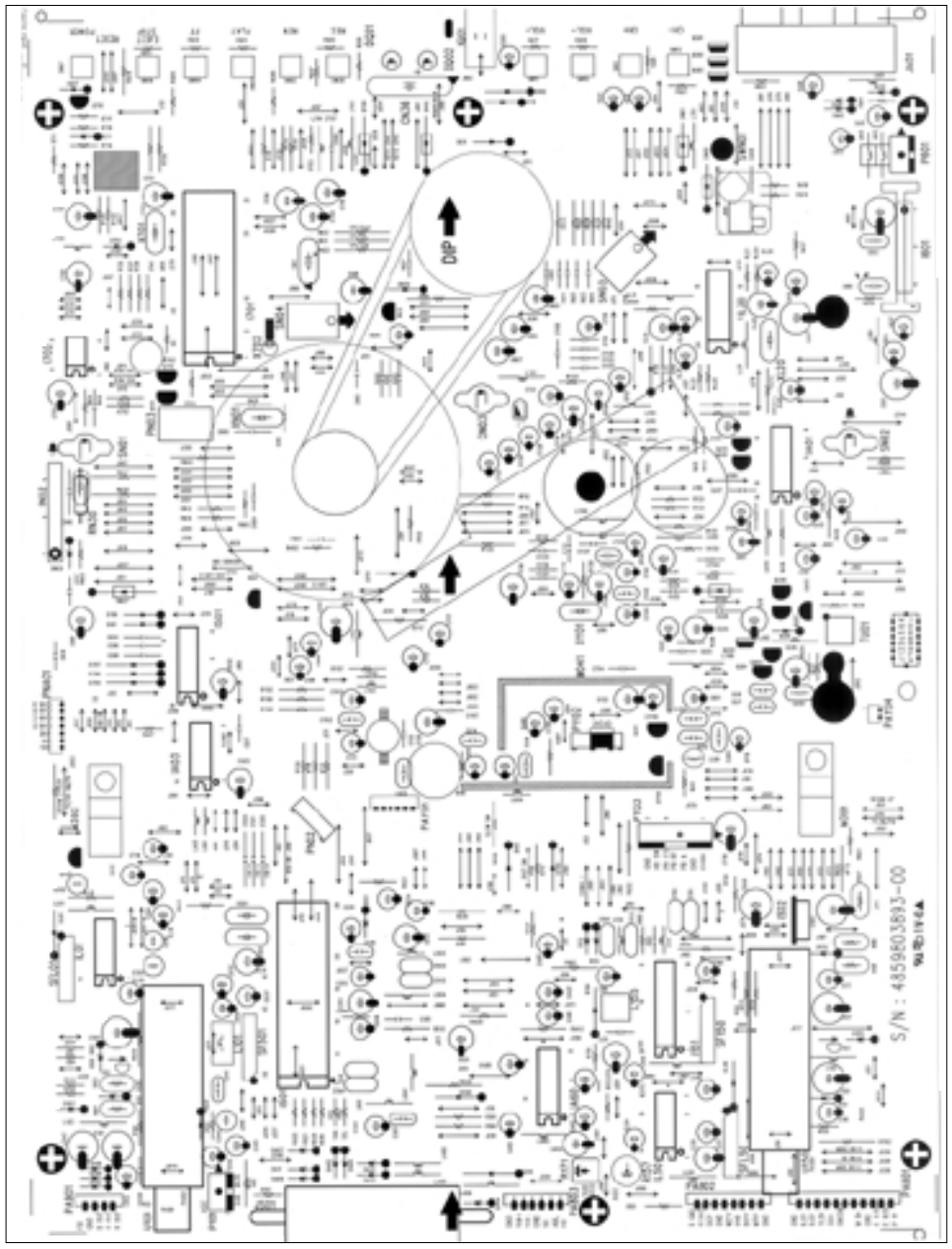
No	PART CODE	PART NAME	Q'ty	MATERIAL	REMARKS
47	4855415800	SPEC PLATE	1	150ART P/E FILM	
46	4853535600	HOLDER CORD	1	NYLON66	
45	7122401612	SCREW TAPPTITE	6	T2S TRS 4X16 MFZN BK	4+42
44	4857817610	CLOTH BLACK	2	FELT 400X20X0.7	
43	4852153801	COVER BACK	1	HIPS GY	
42	7174301011	SCREW TAPPTITE	1	T2S WAS 3X10 MFZN	
41	4857027610	HEAT SINK	1	AL EX	
40	7128301011	SCREW TAPPTITE	3	T2S WAS 3X10 MFZN	30+39
39		POWER PCB	1	T2S WAS 3X10 MFZN	
38	7174301011	SCREW TAPPTITE	1	AL EX	
37	4857028201	HEAT SINK	1	TT2 RND 3X8 MFZN	
36	7174300811	SCREW TAPPTITE	1	AL EX	
35	4857027800	HEAT SINK	1	TT2 RND 3X8 MFZN	
34	7174300811	SCREW TAPPTITE	1	AL EX	
33	4857027701	HEAT SINK	1	FR RUBBER SPONGE	
32	4857913304	RUBBER CUSHION	2	T2S TRS 4X16 MFZN BK	23+30
31	7122401612	SCREW TAPPTITE	4	SECC T0.8	
30	4857248300	SHIELD TOP	1	T2S RND 3X12 MFZN	23+27
29	7124301211	SCREW TAPPTITE	1	T2S TRS 4X16 MFZN BK	23+27
28	7122401612	SCREW TAPPTITE	3	DRS-940DN	
27	4851931000	DECK AS	1	ET T0.4	
26	97PC0475800	CASE SHI PREAMP	1	TT2 WAS 3X12 MFZN BK	
25	7128301212	SCREW TAPPTITE	6	FR HIPS BK	19+23
24	4853818100	FRAME MAIN PCB	1	SECC-D T0.5	
23	4857243000	SHIELD BOTTOM	1	T2S WAS 3X10 MFZN	
22	7128301011	SCREW TAPPTITE	3	C5212P-1/2M T0.15	
21	4853948400	BRKT EARTH	1	ABS FR	
20	97P2343500	HOLDER TR	2		
19		MAIN PCB	1		
18	DLH2PR----	LED BLOCK	2	LH-2P-R	
17	97P2339600	HOLDER IR	1	ABS	
16		POWER SWICH PCB			
15	4853535500	HOLDER CORD	1	NYLON66	
14	4856013302	SCREW CRT FIXNG	2	30X190 BK	4+12
13	4856013300	SCREW CRT FIXNG	2	30X80 BK	4+12
12		CRT	1		
11	4856215402	WASHER RUBBER	4	CR T0.2	
10	4856013600	SCREW SPKR FIX	2	SWRM+SECC	4+9
9		SPKR BRKT AS	1	3951901+3952500	
8	4852817761	DOOR F/L	1	ABS GY	
7	4856723400	SPRING	1	SWPB 0.4	
6	7128301011	SCREW TAPPTITE	4	T2S WAS 3X10 MFZN	4+5
5	4851933300	BUTTON CTRL	1	6542900+4848101	
4	4852072001	MASK FRONT	1	HIPS GY	
3	4856716000	SPRING	1	SWPA PIED.5	
2	4854858801	BUTTON POWER	1	ABS GY	
1	4855615955	MARK BRAND	1	SILVER	



PRINTED CIRCUIT BOARD

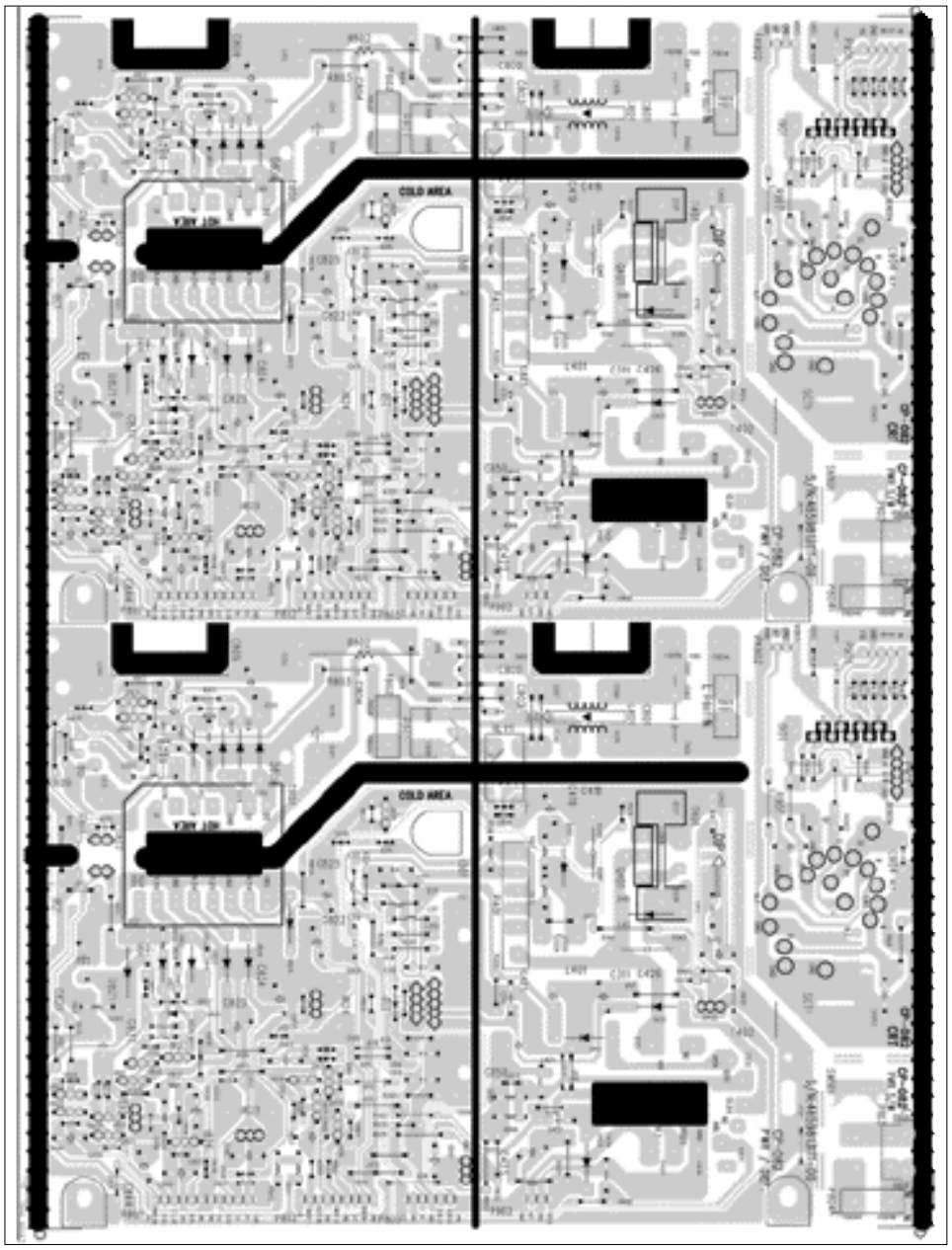
PCB MAIN

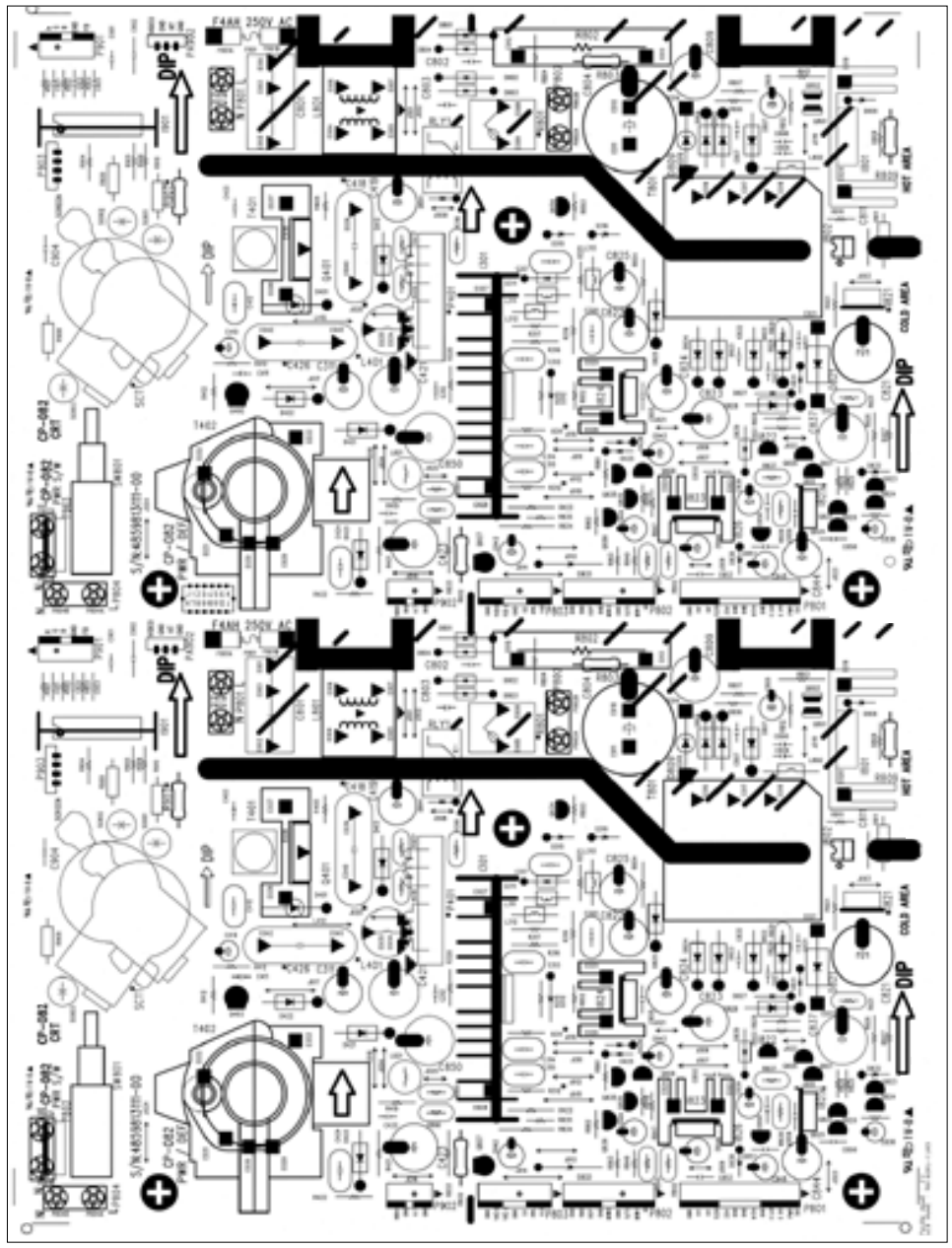




PRINTED CIRCUIT BOARD

PCB POWER





SERVICE PARTS LIST

CAUTION

"⚠" is safety component, so it must be used the same component.

"Ⓡ" is recomendable part for stock.

*** Model : F14H3T2**

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
ZZ100	48B4446C16	TRANSMITTER REMOCON	R-46C16 (AAA)	Ⓡ	DQ02	DLH2PR----	LED BLOCK	LH-2P-R	
ZZ110	PTACPWA668	ACCESSORY AS	DVT-14H3LA		I151	1TDA9802--	IC RF	TDA9802	Ⓡ
10	4850Q00910	BATTERY	R03/NN		I501	1TDA8842N2	IC VIDEO	TDA8842/N2	Ⓡ
20	4850A03310	ANT ROD	PH-RM-008A		I502	1KA7808---	IC REGULATOR	KA7808	Ⓡ
ZZ120	PTBCSHA668	COVER BACK AS	DVT-14H3LA	Ⓡ	I601	PTJ1SW8902	HEAT SINK ASS`Y	1TDA8943SF + 7174300811	
M211	4852158501	COVER BACK	HIPS GY		1	1TDA8943SF	IC AUDIO AMP	TDA8943SF	Ⓡ
M781	4857817610	CLOTH BLACK	FELT 300X20X0.7		0000A	4857018902	HEAT SINK	A1050P-H24	
ZZ130	PTPKCPA668	PACKING AS	DVT-14H3LA		0000B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
M801	4858035800	BOX CARTON	"SW-3 DVT-1488,1484"		I701	1SDA555XFL	IC MICOM OTP	SDA555XFL	Ⓡ
M801A	6520010100	STAPLE PIN	18M/M J D O		I702	1AT24C16PC	IC	AT24C16-10PC	Ⓡ
M811	4858195900	PAD	EPS 14H3		IA01	1TC4053BP-	IC	TC4053BP	Ⓡ
M821	4858213800	BAG INSTRUCTION	L.D.P.E T0.05X250X400		IA03	1TC4066BP-	IC	TC 4066BP	Ⓡ
M822	4858215700	BAG PE	PE FOAM t0.5x1050X950		IA60	1TC4053BP-	IC	TC4053BP	Ⓡ
ZZ131	48519A4710	CRT GROUND NET	1401S-1015-1P		IL01	1STV8225--	IC SIF	STV8225	Ⓡ
ZZ132	58G0000084	COIL DEGAUSSING	DC-1450	⚠	IL20	1TA1238N--	IC SECAM.L	TA1238N	Ⓡ
ZZ140	PTCACAA668	CABINET AS	DVT-14H3LA	Ⓡ	IL50	1STV8225--	IC SIF	STV8225	Ⓡ
M191	4851944400	BUTTON CTRL	4948301+5543100	Ⓡ	IN02	1K1A6801K-	IC MOTOR DRIVER	KIA6801K	Ⓡ
M191A	7178301011	SCREW TAPPTITE	TT2 WAS 3X10 MFZN		IQ01	1KRT30----	IC PREAMP	KRT30	Ⓡ
M201A	4856013300	SCREW CRT FIXING	30X80 BK		JA01	4859109950	JACK PIN BOARD	PH-JB-9710A	
M201B	4856013301	SCREW CRT FIXING	30X140 YL		JS01	4859200401	SOCKET RGB	YRS21-R1	
M201C	4856215402	WASHER RUBBER	CR T2.0		L155	58B0000S88	COIL PIF	TRF-7780A (STICK)	
M211A	7172401612	SCREW TAPPTITE	TT2 TRS 4X16 MFZN BK		M041	97P0475800	CASE SHI PREAMP	ET T0.4	
M281	4852817761	DOOR F/L	ABS GY		M191	4851931000	DECK AS	DRS-9400N	Ⓡ
M281A	4856723400	SPRING	SWPB 0.4		M191A	7172401612	SCREW TAPPTITE	TT2 TRS 4X16 MFZN BK	
M461	97P4602700	CLAMP CORD	NYLON 66 BLK 5280N		M191B	7178301212	SCREW TAPPTITE	TT2 WAS 3X12 MFZN BK	
M481	4854858901	BUTTON POWER	ABS GY	Ⓡ	M191C	97P0919100	PLATE EARTH AB	SUS 304 CSP T=0.2	
M481A	4856716000	SPRING	SWPA PIE0.5		M191D	7278300611	SCREW TAPPTITE	TT3 WAS 3X6 MFZN	
M541	4855415800	SPEC PLATE	150ART P/E FILM (C/TV)		M381	4853818100	FRAME MAIN PCB	FR HIPS BK	
M561	48556136SS	MARK BRAND	SILVER ETCHING DIA-CUTTIN		M381A	7178301011	SCREW TAPPTITE	TT2 WAS 3X10 MFZN	
SP01A	4856013600	SCREW SPKR FIX	SWRM+SECC		M391	4853948400	BRKT EARTH	C5212P-1/2M T0.15	
V901	4859609841	CRT	A34AGT14X71 P38	⚠	M392	4853953200	BRKT PCB	FR HIPS BK	
ZZ200	PTFMSJA668	MASK FRONT AS	DVT-14H3LA	Ⓡ	M392A	7172401612	SCREW TAPPTITE	TT2 TRS 4X16 MFZN BK	
M201	4852076601	MASK FRONT	HIPS GY		M392B	7178301011	SCREW TAPPTITE	TT2 WAS 3X10 MFZN	
M331	4853312501	RETA BACK	HIPS NC		M721	4857248300	SHIELD TOP	SECC T0.8	
ZZ202	PTSPPWA668	SPEAKER AS	DVT-14H3LA	Ⓡ	M721A	7172401612	SCREW TAPPTITE	TT2 TRS 4X16 MFZN BK	
PA601	4850703S50	CONNECTOR	YH025-03+35098+ULW=200		M721D	7178301011	SCREW TAPPTITE	TT2 WAS 3X10 MFZN	
SP01	48A8306000	SPEAKER SYSTEM	SS-5070A01 3W 8 OHM	Ⓡ	M722	4857243000	SHIELD BOTTOM	SECC-O T0.5	
ZZ290	PTMPMSA668	PCB MAIN MANUAL AS	DVT-14H3LA	Ⓡ	M722A	7178301011	SCREW TAPPTITE	TT2 WAS 3X10 MFZN	
DN03	DS15312H--	LED IR	SI5312-H		M722B	7178301011	SCREW TAPPTITE	TT2 WAS 3X10 MFZN	
DN03A	97P2339600	HOLDER IR	ABS		M791	4857913304	RUBBER CUSHION	FR RUBBER SPONGE	
DQ01	DLH2PR----	LED BLOCK	LH-2P-R		P101	485923162S	CONN WAFER	YW025-03 (STICK)	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DECSCRIPTION	REMARK
P601	485923162S	CONN WAFER	YW025-03 (STICK)		CC169	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012	
PA801	4850712V11	CONNECTOR	YH025-12+YST025+ULW=200		CC170	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
PA802	4850709S01	CONNECTOR	YH025-09+YST025+ULW=200		CC175	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
PA803	4850707S01	CONNECTOR	YH025-07+YST025+ULW=200		CC501	HCQK221JCA	C CHIP CERA	50V CH 220PF J 2012	
PA901	4850705S04	CONNECTOR	YH025-05+YST025+ULW=400		CC502	HCQK151JCA	C CHIP CERA	50V CH 150PF J 2012	
PAY01	4850706V10	CONNECTOR	60-8283-3068-45+UAW=150		CC504	HCQK560JCA	C CHIP CERA	50V CH 56PF J 2012	
PAY04	4850702V07	CONNECTOR	BIC-02H-20T+USW=100		CC506	HCQK100JCA	C CHIP CERA	50V CH 10PF J 2012	
PN02	4859292320	CONN WAFER	GF120-07S-TS		CC512	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
PN02A	4859200270	CONN FFC	K-7X140-0.25		CC514	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
PN03	4859278220	CONN WAFER	TKC-G10P-A1		CC517	HCQK181JCA	C CHIP CERA	50V CH 180PF J 2012	
PNA01	4850707V03	CONNECTOR	60-8283-3078-45+ULW=100		CC526	HCQK150JCA	C CHIP CERA	50V CH 15PF J 2012	
PY02	4859292320	CONN WAFER	GF120-07S-TS		CC527	HCQK150JCA	C CHIP CERA	50V CH 15PF J 2012	
PY03	485923202S	CONN WAFER	YW025-07 (STICK)		CC528	HCFK474ZCA	C CHIP CERA	Y5V 50V 0.47MF Z 2012	
RN30	RS02Y399JS	R M-OXIDE FILM	2W 3.9 OHM J SMALL		CC529	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012	
SF150	5PJ1952M--	FILTER SAW	J1952M		CC530	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
SF501	5PJ1952M--	FILTER SAW	J1952M		CC533	HCQK181JCA	C CHIP CERA	50V CH 180PF J 2012	
SFL01	5PL9653M--	FILTER SAW	L9653M		CC535	HCBK332KCA	C CHIP CERA	50V X7R 3300PF K 2012	
SFL50	5PL9653M--	FILTER SAW	L9653M		CC536	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012	
SN01	TST5811---	TR PHOTO	ST-5811		CC538	HCQK181JCA	C CHIP CERA	50V CH 180PF J 2012	
SN01A	97P2343500	HOLDER TR	ABS FR		CC539	HCQK181JCA	C CHIP CERA	50V CH 180PF J 2012	
SN02	TST5811---	TR PHOTO	ST-5811		CC540	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
SN02A	97P2343500	HOLDER TR	ABS FR		CC543	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
SN03	4850S00001	SENSOR REEL	SG-258S		CC545	HCBK392KCA	C CHIP CERA	50V X7R 3900PF K 2012	
SN04	4850S00001	SENSOR REEL	SG-258S		CC546	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
SWN01	5SN0101Z20	SW DETECT	JDS1105-6XD		CC548	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
TU01	5800000032	COIL OSC	DE0-006		CC550	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	
U101	4859721030	TUNER VARACTOR	TAEL-G772D	Ⓡ	CC552	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	
U150	4859719730	TUNER VARACTOR	DT5-BF15P	Ⓡ	CC554	HCQK151JCA	C CHIP CERA	50V CH 150PF J 2012	
U150A	4859004650	PLUG PHONE AS	PLUG+CABLE1365 AWG26=250B		CC576	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012	
X701	5XE6R0000C	CRYSTAL QUARTZ	HC-49/U 6.000MHZ 20PPM		CC602	HCBK822KCA	C CHIP CERA	50V X7R 8200PF K 2012	
X702	5XYR03276C	CRYSTAL QUARTZ	C-001R 32.768000KHZ 20PPM		CC619	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
XL20	5XJX4R286C	CRYSTAL QUARTZ	HC-49S 4.286000M 20PPM TP		CC620	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
XN01	5XJ16R000E	CRYSTAL QUARTZ	HC-49S 16.000000MHZ 30PPM		CC621	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
XY01	5XJX4R433B	CRYSTAL QUARTZ	HC-49S 4.433619M 15PPM TP		CC703	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
Z154	5PYXT5R5MB	FILTER CERA	XT 5.5MB		CC705	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
Z503	5PYXT5R5MB	FILTER CERA	XT 5.5MB		CC708	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
ZZ200	PTMPJ2A668	PCB CHIP MOUNT B AS	DVT-14H3LA		CC710	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012	
CC150	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		CC712	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	
CC156	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012		CC713	HCQK221JCA	C CHIP CERA	50V CH 220PF J 2012	
CC157	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		CC715	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	
CC159	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		CC716	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC160	HCQK820JCA	C CHIP CERA	50V CH 82PF J 2012		CC717	HCBK223KCA	C CHIP CERA	50V X7R 0.022MF K 2012	
CC161	HCBK333KCA	C CHIP CERA	50V X7R 0.033MF K 2012		CC719	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	
CC162	HCBK333KCA	C CHIP CERA	50V X7R 0.033MF K 2012		CC720	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	
CC163	HCBK223KCA	C CHIP CERA	50V X7R 0.022MF K 2012		CC721	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	
CC165	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		CC722	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	
CC167	HCQK560JCA	C CHIP CERA	50V CH 56PF J 2012		CC724	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	

SERVICE PARTS LIST

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DECSCRIPTION	REMARK
CC726	HCQK330JCA	C CHIP CERA	50V CH 33PF J 2012		CCN32	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC727	HCQK330JCA	C CHIP CERA	50V CH 33PF J 2012		CCP01	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	
CC728	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		CCP03	HCBK473KCA	C CHIP CERA	50V X7R 0.047MF K 2012	
CC730	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		CCP05	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	
CC732	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		CCQ01	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	
CC734	HCQK221JCA	C CHIP CERA	50V CH 220PF J 2012		CCU06	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC735	HCQK151JCA	C CHIP CERA	50V CH 150PF J 2012		CCU09	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CC736	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		CCU11	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	
CCA01	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012		CCU20	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CCA02	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012		CCU27	HCBK222KCA	C CHIP CERA	50V X7R 2200PF K 2012	
CCA03	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012		CCY04	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CCA04	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012		CCY08	HCQK509DCA	C CHIP CERA	50V CH 5PF D 2012	
CCA05	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012		CCY09	HCQK391JCA	C CHIP CERA	50V CH 390PF J 2012	
CCA07	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012		CCY11	HCQK201JCA	C CHIP CERA	50V CH 200PF J 2012	
CCA18	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012		CCY15	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	
CCA64	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012		CCY25	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CCL01	HCQK220JCA	C CHIP CERA	50V CH 22PF J 2012		CCY27	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CCL02	HCQK820JCA	C CHIP CERA	50V CH 82PF J 2012		CCY31	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	
CCL03	HCQK220JCA	C CHIP CERA	50V CH 22PF J 2012		CCY32	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	
CCL08	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		CCY35	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CCL09	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		CCY46	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	
CCL11	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		CCY47	HCBK473KCA	C CHIP CERA	50V X7R 0.047MF K 2012	
CCL20	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		CCY48	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012	
CCL21	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		CCY50	HCQK510JCA	C CHIP CERA	50V CH 51PF J 2012	
CCL22	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		CCY51	HCQK300JCA	C CHIP CERA	50V CH 30PF J 2012	
CCL23	HCQK150JCA	C CHIP CERA	50V CH 15PF J 2012		CCY52	HCQK300JCA	C CHIP CERA	50V CH 30PF J 2012	
CCL24	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		CCY54	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CCL26	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012		CCY55	HCQK300JCA	C CHIP CERA	50V CH 30PF J 2012	
CCL27	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012		CCY56	HCQK300JCA	C CHIP CERA	50V CH 30PF J 2012	
CCL28	HCBK333KCA	C CHIP CERA	50V X7R 0.033MF K 2012		CCY57	HCQK510JCA	C CHIP CERA	50V CH 51PF J 2012	
CCL30	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		CCY60	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012	
CCL31	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		DC154	DBB639C--B	DIODE CHIP	BB639C	
CCL32	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		ICN01	1DW777FE1Q	IC MICOM	DW37777MAH-FE1(408GP)	
CCL33	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		ICP01	1LC74793--	IC VPS	LC74793JM	
CCL36	HCBK473KCA	C CHIP CERA	50V X7R 0.047MF K 2012		ICY01	1LA71598MQ	IC CHIP Y/C	LA71598SM	
CCL39	HCBK473KCA	C CHIP CERA	50V X7R 0.047MF K 2012		QC150	T2SA812T2B	TR CHIP	2SA812-T2B	
CCL40	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		QC151	T2SC1623T2	TR CHIP	2SC1623-L6/T2B	
CCL41	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		QC152	T2SC1623T2	TR CHIP	2SC1623-L6/T2B	
CCL50	HCQK220JCA	C CHIP CERA	50V CH 22PF J 2012		QC153	T2SC1623T2	TR CHIP	2SC1623-L6/T2B	
CCL51	HCQK820JCA	C CHIP CERA	50V CH 82PF J 2012		QC501	T2SC1623T2	TR CHIP	2SC1623-L6/T2B	
CCL52	HCQK220JCA	C CHIP CERA	50V CH 22PF J 2012		QC502	T2SC1623T2	TR CHIP	2SC1623-L6/T2B	
CCL53	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		QC503	T2SA812T2B	TR CHIP	2SA812-T2B	
CCL56	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		QC504	T2SC1623T2	TR CHIP	2SC1623-L6/T2B	
CCN07	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012		QC505	T2SC1623T2	TR CHIP	2SC1623-L6/T2B	
CCN14	HCBK103KCA	C CHIP CERA	50V X7R 0.01MF K 2012		QC506	T2SA812T2B	TR CHIP	2SA812-T2B	
CCN29	HCBK332KCA	C CHIP CERA	50V X7R 3300PF K 2012		QC507	T2SC1623T2	TR CHIP	2SC1623-L6/T2B	
CCN30	HCBK182KCA	C CHIP CERA	50V X7R 1800PF K 2012		QC508	T2SC1623T2	TR CHIP	2SC1623-L6/T2B	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DECSCRIPTION	REMARK
QC509	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC167	HRFT223JCA	R CHIP	1/10 22K OHM J 2012	
QC601	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC168	HRFT104JCA	R CHIP	1/10 100K OHM J 2012	
QC603	T2SA812T2B	TR CHIP	2SA812-T2B		RC169	HRFT104JCA	R CHIP	1/10 100K OHM J 2012	
QC604	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC174	HRFT154JCA	R CHIP	1/10 150K OHM J 2012	
QC605	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC175	HRFT753JCA	R CHIP	1/10 75K OHM J 2012	
QC701	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC176	HRFT152JCA	R CHIP	1/10 1.5K OHM J 2012	
QC702	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC178	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
QC703	T2SA812T2B	TR CHIP	2SA812-T2B		RC179	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
QC704	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC501	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
QC706	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC502	HRFT561JCA	R CHIP	1/10 560 OHM J 2012	
QC707	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC503	HRFT101JCA	R CHIP	1/10 100 OHM J 2012	
QC708	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC504	HRFT562JCA	R CHIP	1/10 5.6K OHM J 2012	
QC711	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC505	HRFT270JCA	R CHIP	1/10 27 OHM J 2012	
QCA01	T2SA812T2B	TR CHIP	2SA812-T2B		RC506	HRFT681JCA	R CHIP	1/10 680 OHM J 2012	
QCA02	T2SA812T2B	TR CHIP	2SA812-T2B		RC507	HRFT182JCA	R CHIP	1/10 1.8K OHM J 2012	
QCA03	T2SA812T2B	TR CHIP	2SA812-T2B		RC508	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
QCA04	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC509	HRFT391JCA	R CHIP	1/10 390 OHM J 2012	
QCA05	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC512	HRFT331JCA	R CHIP	1/10 330 OHM J 2012	
QCA09	T2SA812T2B	TR CHIP	2SA812-T2B		RC514	HRFT241JCA	R CHIP	1/10 240 OHM J 2012	
QCA10	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC515	HRFT151JCA	R CHIP	1/10 150 OHM J 2012	
QCA11	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC516	HRFT750JCA	R CHIP	1/10 75 OHM J 2012	
QCA14	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC517	HRFT750JCA	R CHIP	1/10 75 OHM J 2012	
QCL01	TKTC3881-B	TR CHIP	KTC3881		RC518	HRFT750JCA	R CHIP	1/10 75 OHM J 2012	
QCL02	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC523	HRFT753JCA	R CHIP	1/10 75K OHM J 2012	
QCL20	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC524	HRFT182JCA	R CHIP	1/10 1.8K OHM J 2012	
QCL21	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC526	HRFT104JCA	R CHIP	1/10 100K OHM J 2012	
QCL22	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC528	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
QCL23	T2SA812T2B	TR CHIP	2SA812-T2B		RC529	HRFT153JCA	R CHIP	1/10 15K OHM J 2012	
QCL50	TKTC3881-B	TR CHIP	KTC3881		RC530	HRFT393JCA	R CHIP	1/10 39K OHM J 2012	
QCL52	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC532	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
QCN01	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC534	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
QCP01	T2SA812T2B	TR CHIP	2SA812-T2B		RC536	HRFT470JCA	R CHIP	1/10 47 OHM J 2012	
QCY01	TKTC3121-B	TR CHIP	KTC3121-B		RC537	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
QCY02	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC540	HRFT303JCA	R CHIP	1/10 30K OHM J 2012	
QCY03	T2SA812T2B	TR CHIP	2SA812-T2B		RC541	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
QCY04	T2SA812T2B	TR CHIP	2SA812-T2B		RC542	HRFT273JCA	R CHIP	1/10 27K OHM J 2012	
QCY05	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC544	HRFT271JCA	R CHIP	1/10 270 OHM J 2012	
QCY06	T2SC1623T2	TR CHIP	2SC1623-L6/T2B		RC548	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC105	HRFT183JCA	R CHIP	1/10 18K OHM J 2012		RC549	HRFT272JCA	R CHIP	1/10 2.7K OHM J 2012	
RC150	HRFT101JCA	R CHIP	1/10 100 OHM J 2012		RC550	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC154	HRFT392JCA	R CHIP	1/10 3.9K OHM J 2012		RC551	HRFT112JCA	R CHIP	1/10 1.1K OHM J 2012	
RC156	HRFT822JCA	R CHIP	1/10 8.2K OHM J 2012		RC553	HRFT561JCA	R CHIP	1/10 560 OHM J 2012	
RC160	HRFT242JCA	R CHIP	1/10 2.4K OHM J 2012		RC554	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC161	HRFT182JCA	R CHIP	1/10 1.8K OHM J 2012		RC555	HRFT331JCA	R CHIP	1/10 330 OHM J 2012	
RC162	HRFT302JCA	R CHIP	1/10 3K OHM J 2012		RC556	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC164	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RC557	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC165	HRFT561JCA	R CHIP	1/10 560 OHM J 2012		RC558	HRFT821JCA	R CHIP	1/10 820 OHM J 2012	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DECSCRIPTION	REMARK
RC559	HRFT242JCA	R CHIP	1/10 2.4K OHM J 2012		RCA38	HRFT391JCA	R CHIP	1/10 390 OHM J 2012	
RC603	HRFT362JCA	R CHIP	1/10 3.6K OHM J 2012		RCA40	HRFT683JCA	R CHIP	1/10 68K OHM J 2012	
RC604	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCA41	HRFT683JCA	R CHIP	1/10 68K OHM J 2012	
RC605	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCA42	HRFT152JCA	R CHIP	1/10 1.5K OHM J 2012	
RC606	HRFT332JCA	R CHIP	1/10 3.3K OHM J 2012		RCA44	HRFT471JCA	R CHIP	1/10 470 OHM J 2012	
RC607	HRFT223JCA	R CHIP	1/10 22K OHM J 2012		RCA45	HRFT221JCA	R CHIP	1/10 220 OHM J 2012	
RC608	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RCA46	HRFT221JCA	R CHIP	1/10 220 OHM J 2012	
RC609	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCA48	HRFT471JCA	R CHIP	1/10 470 OHM J 2012	
RC702	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCA49	HRFT221JCA	R CHIP	1/10 220 OHM J 2012	
RC703	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCA50	HRFT471JCA	R CHIP	1/10 470 OHM J 2012	
RC704	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCA51	HRFT750JCA	R CHIP	1/10 75 OHM J 2012	
RC705	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCA52	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC706	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCA53	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC707	HRFT182JCA	R CHIP	1/10 1.8K OHM J 2012		RCA54	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC708	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCA55	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC713	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RCL01	HRFT470JCA	R CHIP	1/10 47 OHM J 2012	
RC718	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RCL02	HRFT222JCA	R CHIP	1/10 2.2K OHM J 2012	
RC719	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RCL03	HRFT101JCA	R CHIP	1/10 100 OHM J 2012	
RC721	HRFT473JCA	R CHIP	1/10 47K OHM J 2012		RCL04	HRFT153JCA	R CHIP	1/10 15K OHM J 2012	
RC722	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RCL05	HRFT751JCA	R CHIP	1/10 750 OHM J 2012	
RC723	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RCL06	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC725	HRFT243JCA	R CHIP	1/10 24K OHM J 2012		RCL07	HRFT682JCA	R CHIP	1/10 6.8K OHM J 2012	
RC726	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RCL08	HRFT333JCA	R CHIP	1/10 33K OHM J 2012	
RC727	HRFT680JCA	R CHIP	1/10 68 OHM J 2012		RCL24	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC728	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RCL25	HRFT333JCA	R CHIP	1/10 33K OHM J 2012	
RC732	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCL26	HRFT123JCA	R CHIP	1/10 12K OHM J 2012	
RC742	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RCL27	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC744	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RCL28	HRFT202JCA	R CHIP	1/10 2K OHM J 2012	
RC751	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCL29	HRFT471JCA	R CHIP	1/10 470 OHM J 2012	
RC752	HRFT223JCA	R CHIP	1/10 22K OHM J 2012		RCL30	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC753	HRFT223JCA	R CHIP	1/10 22K OHM J 2012		RCL31	HRFT222JCA	R CHIP	1/10 2.2K OHM J 2012	
RCA02	HRFT393JCA	R CHIP	1/10 39K OHM J 2012		RCL32	HRFT332JCA	R CHIP	1/10 3.3K OHM J 2012	
RCA03	HRFT753JCA	R CHIP	1/10 75K OHM J 2012		RCL33	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RCA04	HRFT824JCA	R CHIP	1/10 820K OHM J 2012		RCL50	HRFT470JCA	R CHIP	1/10 47 OHM J 2012	
RCA05	HRFT753JCA	R CHIP	1/10 75K OHM J 2012		RCL51	HRFT153JCA	R CHIP	1/10 15K OHM J 2012	
RCA15	HRFT223JCA	R CHIP	1/10 22K OHM J 2012		RCL52	HRFT222JCA	R CHIP	1/10 2.2K OHM J 2012	
RCA19	HRFT223JCA	R CHIP	1/10 22K OHM J 2012		RCL53	HRFT751JCA	R CHIP	1/10 750 OHM J 2012	
RCA20	HRFT821JCA	R CHIP	1/10 820 OHM J 2012		RCL54	HRFT101JCA	R CHIP	1/10 100 OHM J 2012	
RCA22	HRFT124JCA	R CHIP	1/10 120K OHM J 2012		RCL55	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RCA23	HRFT124JCA	R CHIP	1/10 120K OHM J 2012		RCL56	HRFT682JCA	R CHIP	1/10 6.8K OHM J 2012	
RCA24	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RCL60	HRFT223JCA	R CHIP	1/10 22K OHM J 2012	
RCA25	HRFT124JCA	R CHIP	1/10 120K OHM J 2012		RCL61	HRFT333JCA	R CHIP	1/10 33K OHM J 2012	
RCA26	HRFT124JCA	R CHIP	1/10 120K OHM J 2012		RCL62	HRFT333JCA	R CHIP	1/10 33K OHM J 2012	
RCA27	HRFT102JCA	R CHIP	1/10 1K OHM J 2012		RCN01	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RCA35	HRFT223JCA	R CHIP	1/10 22K OHM J 2012		RCN02	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RCA36	HRFT333JCA	R CHIP	1/10 33K OHM J 2012		RCN11	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RCA37	HRFT153JCA	R CHIP	1/10 15K OHM J 2012		RCN12	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DECSCRIPTION	REMARK
RCN15	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCU23	HRFT470JCA	R CHIP	1/10 47 OHM J 2012	
RCN16	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCU24	HRFT223JCA	R CHIP	1/10 22K OHM J 2012	
RCN17	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCU25	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RCN18	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCU26	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RCN19	HRFT182JCA	R CHIP	1/10 1.8K OHM J 2012		RCU27	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RCN21	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RCU31	HRFT684JCA	R CHIP	1/10 680K OHM J 2012	
RCN22	HRFT105JCA	R CHIP	1/10 1M OHM J 2012		RCU34	HRFT153JCA	R CHIP	1/10 15K OHM J 2012	
RCN23	HRFT511JCA	R CHIP	1/10 510 OHM J 2012		RCU37	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RCN24	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RCY01	HRFT223JCA	R CHIP	1/10 22K OHM J 2012	
RCN25	HRFT106JCA	R CHIP	1/10 10M OHM J 2012		RCY06	HRFT122JCA	R CHIP	1/10 1.2K OHM J 2012	
RCN26	HRFT104JCA	R CHIP	1/10 100K OHM J 2012		RCY08	HRFT331JCA	R CHIP	1/10 330 OHM J 2012	
RCN34	HRFT221JCA	R CHIP	1/10 220 OHM J 2012		RCY09	HRFT272JCA	R CHIP	1/10 2.7K OHM J 2012	
RCN35	HRFT273JCA	R CHIP	1/10 27K OHM J 2012		RCY10	HRFT201JCA	R CHIP	1/10 200 OHM J 2012	
RCN36	HRFT221JCA	R CHIP	1/10 220 OHM J 2012		RCY11	HRFT561JCA	R CHIP	1/10 560 OHM J 2012	
RCN37	HRFT273JCA	R CHIP	1/10 27K OHM J 2012		RCY12	HRFT561JCA	R CHIP	1/10 560 OHM J 2012	
RCN41	HRFT332JCA	R CHIP	1/10 3.3K OHM J 2012		RCY13	HRFT152JCA	R CHIP	1/10 1.5K OHM J 2012	
RCN44	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RCY14	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RCN45	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RCY18	HRFT563JCA	R CHIP	1/10 56K OHM J 2012	
RCN46	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCY26	HRFT182JCA	R CHIP	1/10 1.8K OHM J 2012	
RCN47	HRFT101JCA	R CHIP	1/10 100 OHM J 2012		RCY27	HRFT822JCA	R CHIP	1/10 8.2K OHM J 2012	
RCN48	HRFT101JCA	R CHIP	1/10 100 OHM J 2012		RCY50	HRFT511JCA	R CHIP	1/10 510 OHM J 2012	
RCN49	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012		RCY51	HRFT511JCA	R CHIP	1/10 510 OHM J 2012	
RCN52	HRFT474JCA	R CHIP	1/10 470K OHM J 2012		RCY52	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RCN53	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RCY53	HRFT363JCA	R CHIP	1/10 36K OHM J 2012	
RCP01	HRFT391JCA	R CHIP	1/10 390 OHM J 2012		RCY54	HRFT473JCA	R CHIP	1/10 47K OHM J 2012	
RCP04	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RCY55	HRFT393JCA	R CHIP	1/10 39K OHM J 2012	
RCP05	HRFT182JCA	R CHIP	1/10 1.8K OHM J 2012		RCY56	HRFT302JCA	R CHIP	1/10 3K OHM J 2012	
RCP06	HRFT562JCA	R CHIP	1/10 5.6K OHM J 2012		RCY57	HRFT473JCA	R CHIP	1/10 47K OHM J 2012	
RCP07	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		RCY58	HRFT473JCA	R CHIP	1/10 47K OHM J 2012	
RCQ02	HRFT222JCA	R CHIP	1/10 2.2K OHM J 2012		RCY59	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RCQ03	HRFT222JCA	R CHIP	1/10 2.2K OHM J 2012		ZZ200	PTMPJRA668	PCB MAIN RADIAL AS	DVT-14H3LA	
RCU01	HRFT124JCA	R CHIP	1/10 120K OHM J 2012		C102	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
RCU02	HRFT124JCA	R CHIP	1/10 120K OHM J 2012		C105	CEXF1H101V	C ELECTRO	50V RSS 100MF (8X11.5) TP	
RCU03	HRFT152JCA	R CHIP	1/10 1.5K OHM J 2012		C107	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP	
RCU04	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		C151	CEXF1E221V	C ELECTRO	25V RSS 220MF (8X11.5) TP	
RCU06	HRFT152JCA	R CHIP	1/10 1.5K OHM J 2012		C156	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
RCU07	HRFT101JCA	R CHIP	1/10 100 OHM J 2012		C157	CEXF1H101V	C ELECTRO	50V RSS 100MF (8X11.5) TP	
RCU08	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		C164	CEXF1H220V	C ELECTRO	50V RSS 22MF (5X11) TP	
RCU09	HRFT562JCA	R CHIP	1/10 5.6K OHM J 2012		C166	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
RCU12	HRFT123JCA	R CHIP	1/10 12K OHM J 2012		C173	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
RCU13	HRFT223JCA	R CHIP	1/10 22K OHM J 2012		C174	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
RCU14	HRFT822JCA	R CHIP	1/10 8.2K OHM J 2012		C176	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
RCU15	HRFT103JCA	R CHIP	1/10 10K OHM J 2012		C177	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
RCU16	HRFT334JCA	R CHIP	1/10 330K OHM J 2012		C500	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
RCU17	HRFT151JCA	R CHIP	1/10 150 OHM J 2012		C503	CEXD1H229F	C ELECTRO	50V RND 2.2MF (5X11) TP	
RCU18	HRFT273JCA	R CHIP	1/10 27K OHM J 2012		C507	CMXM2A473J	C MYLAR	100V 0.047MF J (TP)	
RCU22	HRFT152JCA	R CHIP	1/10 1.5K OHM J 2012		C509	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DECSCRIPTION	REMARK
C510	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP		CA20	CEXF1H100A	C ELECTRO	50V RSM 10MF (5X7) TP	
C511	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP		CA21	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	
C513	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP		CA22	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	
C515	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP		CA23	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	
C516	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP		CA24	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	
C518	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)		CA25	CEXF1H100A	C ELECTRO	50V RSM 10MF (5X7) TP	
C519	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP		CA26	CEXF1H100A	C ELECTRO	50V RSM 10MF (5X7) TP	
C523	CEXF1H220V	C ELECTRO	50V RSS 22MF (5X11) TP		CA60	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
C531	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP		CA62	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C532	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP		CA63	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C534	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP		CA65	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
C537	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP		CA66	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
C541	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)		CA67	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP	
C542	CEXD1H109F	C ELECTRO	50V RND 1MF (5X11) TP		CL05	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C544	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP		CL06	CEXD1H229F	C ELECTRO	50V RND 2.2MF (5X11) TP	
C545	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP		CL10	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
C547	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP		CL12	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C549	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP		CL25	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	
C551	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP		CL29	CEXF1H229A	C ELECTRO	50V RSM 2.2MF (4X7) TP	
C552	CEXD1H229F	C ELECTRO	50V RND 2.2MF (5X11) TP		CL34	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	
C556	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP		CL35	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP	
C609	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)		CL38	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP	
C611	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		CL54	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C613	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)		CL55	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
C614	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP		CL57	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C615	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)		CN08	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	
C616	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP		CN11	CDXF0H104K	C SUPER	5.5V 0.1F F (TAPPING)	
C617	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP		CN15	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP	
C618	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)		CN18	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	
C620	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP		CN26	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	
C702	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP		CN27	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	
C704	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		CN28	CEXF1A471V	C ELECTRO	10V RSS 470MF (8X11.5) TP	
C706	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		CN29	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	
C709	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		CN31	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	
C718	CEXF1H100A	C ELECTRO	50V RSM 10MF (5X7) TP		CN33	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	
C723	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		CP04	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7	
C729	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		CP07	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP	
C731	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		CP09	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	
CA08	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		CP10	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
CA09	CEXF1H100A	C ELECTRO	50V RSM 10MF (5X7) TP		CQ03	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	
CA10	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		CU01	CEXF1H100A	C ELECTRO	50V RSM 10MF (5X7) TP	
CA11	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		CU02	CMXM2A153J	C MYLAR	100V 0.015MF J (TP)	
CA12	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		CU03	CMXM2A333J	C MYLAR	100V 0.033MF J (TP)	
CA13	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		CU04	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
CA14	CEXF1H100A	C ELECTRO	50V RSM 10MF (5X7) TP		CU05	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7	
CA15	CEXF1H100A	C ELECTRO	50V RSM 10MF (5X7) TP		CU08	CMXM2A122J	C MYLAR	100V 1200PF J (TP)	
CA16	CEXF1H100A	C ELECTRO	50V RSM 10MF (5X7) TP		CU10	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DECSCRIPTION	REMARK
CU12	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)		QQ02	TKSR1001--	TR	KSR1001	
CU13	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7		QU01	TKTC3198Y-	TR	KTC3198Y	
CU14	CMXM2A222J	C MYLAR	100V 2200PF J (TP)		QU02	TKSR1001--	TR	KSR1001	
CU15	CMXM2A102J	C MYLAR	100V 1000PF J (TP)		QU03	TKTA1266Y-	TR	KTA1266Y (TP)	
CU16	CMXM2A103J	C MYLAR	100V 0.01MF J (TP)		QU04	TKTC3202Y-	TR	KTC3202Y (TP)	
CU17	CMXM2A333J	C MYLAR	100V 0.033MF J (TP)		QU05	TKTA1266Y-	TR	KTA1266Y (TP)	
CU18	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		QU06	TKTC3198Y-	TR	KTC3198Y	
CU19	CMXM2A223J	C MYLAR	100V 0.022MF J TP		QU07	TKTC3198Y-	TR	KTC3198Y	
CU21	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		QY50	TKTC3198Y-	TR	KTC3198Y	
CU23	CEXF1H229A	C ELECTRO	50V RSM 2.2MF (4X7) TP		R106	RN02B560JS	R METAL FILM	2W 56 OHM J SMALL	
CU24	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		R107	RN02B560JS	R METAL FILM	2W 56 OHM J SMALL	
CY01	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP		R157	RV4121103P	R SEMI FIXED	NVZ6THT 10K OHM	
CY02	CMXM2A473J	C MYLAR	100V 0.047MF J (TP)		R171	RV5426103P	R SEMI FIXED	ENV-DJAA03B14 10K OHM B	
CY03	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP		R180	RN02B560JS	R METAL FILM	2W 56 OHM J SMALL	
CY05	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		R181	RN02B560JS	R METAL FILM	2W 56 OHM J SMALL	
CY10	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7		R547	RN02B829JS	R METAL FILM	2W 8.2 OHM J SMALL	
CY16	CEXF1A471V	C ELECTRO	10V RSS 470MF (8X11.5) TP		SW02	5S50101Z90	SW TACT	THVV502GDA	
CY17	CEXF1H100A	C ELECTRO	50V RSM 10MF (5X7) TP		SW03	5S50101Z90	SW TACT	THVV502GDA	
CY18	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)		SW04	5S50101Z90	SW TACT	THVV502GDA	
CY21	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP		SW06	5S50101Z90	SW TACT	THVV502GDA	
CY24	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		SW07	5S50101Z90	SW TACT	THVV502GDA	
CY26	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		SW08	5S50101Z90	SW TACT	THVV502GDA	
CY28	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7		SW10	5S50101Z90	SW TACT	THVV502GDA	
CY29	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP		SW11	5S50101Z90	SW TACT	THVV502GDA	
CY30	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP		SW12	5S50101Z90	SW TACT	THVV502GDA	
CY36	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		SW13	5S50101Z90	SW TACT	THVV502GDA	
CY38	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		X501	5XEX3R579C	CRYSTAL QUARTZ	HC-49U 3.579545M (TP)	
CY40	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP		X502	5XEX4R436C	CRYSTAL QUARTZ	HC-49U 4.433619M 20PP TA	
CY42	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP		Z151	5PXLT5R5MH	FILTER CERA	LT 5.5MH	
CY43	CMXM2A223J	C MYLAR	100V 0.022MF J TP		Z501	5PXLT5R5MH	FILTER CERA	LT 5.5MH	
CY44	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP		ZZ200	PTMPJAA668	PCB MAIN AXIAL AS	DVT-14H3LA	
CY45	CMXM2A223J	C MYLAR	100V 0.022MF J TP		10	2TM14006LB	TAPE MASKING	3M #232 6.0X2000M	
CY53	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		20	2TM10006LB	TAPE MASKING	3M #232-MAP-C 6.2X2000M	
CY58	CEXF1H100A	C ELECTRO	50V RSM 10MF (5X7) TP		A001	4859803893	PCB MAIN	330X246	
CY59	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP		C101	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z	
I101	1UPC574J--	IC	UPC574J	Ⓡ	C168	CZCH1H220J	C CERA	50V CH 22PF J (AXIAL)	
I150	1UPC574J--	IC	UPC574J	Ⓡ	C171	CCZB1H102K	C CERA	50V B 1000PF K (AXIAL)	
IN03	1K1A7033AP	IC RESET	KIA7033AP		C505	CZCH1H220J	C CERA	50V CH 22PF J (AXIAL)	
IN04	1K1A7042AP	IC REGULATOR	KIA7042AP		C508	CCZF1H223Z	C CERA	50V F 0.022MF Z	
LU01	5CPX103J--	COIL PEAKING	10MH 5MM J RADIAL		C520	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z	
Q705	TKTC3198Y-	TR	KTC3198Y		C521	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z	
Q710	TKTA1266Y-	TR	KTA1266Y (TP)		C522	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z	
Q712	TH2N7000--	FET	H2N7000		C707	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z	
Q713	TH2N7000--	FET	H2N7000		CA17	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z	
QA12	TKTC3198Y-	TR	KTC3198Y		CA68	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z	
QA13	TKTC3198Y-	TR	KTC3198Y		CA69	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z	
QQ01	TKSR1001--	TR	KSR1001		CL37	CCZF1H103Z	C CERA	50V F 0.01MF Z	

SERVICE PARTS LIST

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DECSCRIPTION	REMARK
CN01	CCZF1H103Z	C CERA	50V F 0.01MF Z		D504	D1N4148---	DIODE	1N4148 (TAPPING)	
CN02	CCZF1H103Z	C CERA	50V F 0.01MF Z		D505	D1N4148---	DIODE	1N4148 (TAPPING)	
CN03	CCZF1H103Z	C CERA	50V F 0.01MF Z		D506	D1N4148---	DIODE	1N4148 (TAPPING)	
CN04	CCZF1H103Z	C CERA	50V F 0.01MF Z		D601	D1N4148---	DIODE	1N4148 (TAPPING)	
CN09	CZCH1H220J	C CERA	50V CH 22PF J (AXIAL)		D602	D1N4148---	DIODE	1N4148 (TAPPING)	
CN10	CZCH1H220J	C CERA	50V CH 22PF J (AXIAL)		D701	D1N4148---	DIODE	1N4148 (TAPPING)	
CN12	CZCH1H180J	C CERA	50V CH 18PF J (AXIAL)		D703	D1N4148---	DIODE	1N4148 (TAPPING)	
CN13	CZCH1H180J	C CERA	50V CH 18PF J (AXIAL)		D704	DUZ6R2BM--	DIODE ZENER	UZ-6.2BM	
CN16	CCZF1H103Z	C CERA	50V F 0.01MF Z		D705	D1N4148---	DIODE	1N4148 (TAPPING)	
CN17	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z		D706	D1N4148---	DIODE	1N4148 (TAPPING)	
CN19	CCZF1H103Z	C CERA	50V F 0.01MF Z		D707	D1N4148---	DIODE	1N4148 (TAPPING)	
CN20	CCZB1H101K	C CERA	50V B 100PF K (AXIAL)		D708	D1N4148---	DIODE	1N4148 (TAPPING)	
CN21	CCZB1H101K	C CERA	50V B 100PF K (AXIAL)		D709	D1N4004S--	DIODE	1N4004S	
CN22	CCZB1H101K	C CERA	50V B 100PF K (AXIAL)		D710	D1N4148---	DIODE	1N4148 (TAPPING)	
CN23	CCZB1H102K	C CERA	50V B 1000PF K (AXIAL)		D711	DUZ2R4B---	DIODE ZENER	UZ-2.4B	
CN24	CCZB1H102K	C CERA	50V B 1000PF K (AXIAL)		DA01	DUZ6R2BM--	DIODE ZENER	UZ-6.2BM	
CN25	CCZB1H102K	C CERA	50V B 1000PF K (AXIAL)		DA02	D1N4148---	DIODE	1N4148 (TAPPING)	
CN34	CCZF1H223Z	C CERA	50V F 0.022MF Z		DA03	DUZ6R2BM--	DIODE ZENER	UZ-6.2BM	
CN35	CCZF1H223Z	C CERA	50V F 0.022MF Z		DA04	DUZ6R2BM--	DIODE ZENER	UZ-6.2BM	
CN37	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z		DA05	DUZ6R2BM--	DIODE ZENER	UZ-6.2BM	
CP02	CZCH1H220J	C CERA	50V CH 22PF J (AXIAL)		DA06	DUZ6R2BM--	DIODE ZENER	UZ-6.2BM	
CU22	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z		DA07	DUZ6R2BM--	DIODE ZENER	UZ-6.2BM	
CU25	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z		DA12	DUZ6R2BM--	DIODE ZENER	UZ-6.2BM	
CU26	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z		DA13	D1N4148---	DIODE	1N4148 (TAPPING)	
CY06	CZSL1H270J	C CERA	50V SL 27PF J (AXIAL)		DA14	DUZ12BM---	DIODE ZENER	UZ-12BM (UNIZON)	
CY07	CCZF1H103Z	C CERA	50V F 0.01MF Z		DA15	D1N4148---	DIODE	1N4148 (TAPPING)	
CY19	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z		DL01	D1SS85TA--	DIODE	1SS85TA	
CY20	CCZF1H103Z	C CERA	50V F 0.01MF Z		DL50	D1SS85TA--	DIODE	1SS85TA	
CY22	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z		DN01	D1N4004S--	DIODE	1N4004S	
CY23	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z		DN02	D1N4004S--	DIODE	1N4004S	
CY33	CCZF1H103Z	C CERA	50V F 0.01MF Z		DN04	D1N4148---	DIODE	1N4148 (TAPPING)	
CY34	CCZF1H103Z	C CERA	50V F 0.01MF Z		DN05	DUZ6R2BM--	DIODE ZENER	UZ-6.2BM	
CY37	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z		DN06	D1N4004S--	DIODE	1N4004S	
CY39	CCZF1H103Z	C CERA	50V F 0.01MF Z		DN07	D1N4004S--	DIODE	1N4004S	
CY41	CCZF1H103Z	C CERA	50V F 0.01MF Z		DQ07	D1N4148---	DIODE	1N4148 (TAPPING)	
CY49	CCZF1H103Z	C CERA	50V F 0.01MF Z		DU01	D1N4148---	DIODE	1N4148 (TAPPING)	
CY65	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z		DY01	D1N4148---	DIODE	1N4148 (TAPPING)	
CY66	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z		DY02	D1N4148---	DIODE	1N4148 (TAPPING)	
D101	DUZ5R1B---	DIODE ZENER	UZ-5.1B		DY03	D1N4004S--	DIODE	1N4004S	
D102	D1N4148---	DIODE	1N4148 (TAPPING)		J001	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D150	DUZ5R1B---	DIODE ZENER	UZ-5.1B		J002	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D151	D1N4148---	DIODE	1N4148 (TAPPING)		J003	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D152	DUZ5R1B---	DIODE ZENER	UZ-5.1B		J004	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D153	DUZ5R1B---	DIODE ZENER	UZ-5.1B		J005	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D501	DUZ6R2BM--	DIODE ZENER	UZ-6.2BM		J006	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D502	D1N4148---	DIODE	1N4148 (TAPPING)		J007	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
D503	D1N4148---	DIODE	1N4148 (TAPPING)		J008	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DECSCRIPTION	REMARK
J009	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J058	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J010	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J059	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J011	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J060	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J012	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J061	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J013	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J062	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J014	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J063	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J015	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J064	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J016	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J065	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J017	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J066	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J018	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J067	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J019	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J068	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J020	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J069	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J021	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J070	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J022	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J071	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J023	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J072	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J024	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J073	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J025	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J074	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J026	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J075	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J027	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J076	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J028	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J077	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J029	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J079	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J030	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J081	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J031	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J082	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J032	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J083	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J033	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J084	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J034	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J086	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J035	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J087	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J036	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J088	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J038	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J089	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J039	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J090	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J040	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J091	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J041	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J093	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J042	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J094	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J043	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J095	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J044	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J096	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J045	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J097	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J046	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J098	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J047	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J099	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J048	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J100	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J049	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J101	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J051	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J102	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J052	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J103	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J053	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J104	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J054	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J105	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J055	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J106	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J056	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J107	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J057	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J108	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DECSCRIPTION	REMARK
J109	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J160	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J110	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J161	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J111	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J162	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J112	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J163	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J113	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J164	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J114	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J165	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J115	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J166	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J116	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J167	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J118	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J168	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J119	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J169	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J121	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J170	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J122	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J171	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J123	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J172	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J124	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J173	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J125	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J174	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J126	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J175	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J127	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J176	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J128	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J177	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J129	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J178	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J130	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J179	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J131	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J180	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J132	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J181	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J133	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J182	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J134	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J183	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J135	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J185	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J136	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J186	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J137	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J187	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J139	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J188	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J140	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J189	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J141	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J190	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J142	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J191	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J143	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J192	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J144	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J193	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J145	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J194	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J146	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J195	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J147	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J196	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J148	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J197	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J149	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J198	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J150	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J199	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J151	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J200	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J152	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J202	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J153	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J203	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J154	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J204	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J155	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J205	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J156	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J206	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J157	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J207	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J159	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J208	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DECSCRIPTION	REMARK
J209	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J261	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J210	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J262	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J211	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J263	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J212	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J264	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J213	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J265	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J214	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J266	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J215	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J267	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J216	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J268	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J218	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J269	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J219	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J270	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J220	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J271	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J222	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J272	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J223	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J273	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J224	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J274	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J225	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J275	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J226	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J276	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J227	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J277	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J228	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		J278	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J229	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		L103	5CPZ101K04	COIL PEAKING	100UH K (AXIAL 10.5MM)	
J230	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		L152	5CPZ101K04	COIL PEAKING	100UH K (AXIAL 10.5MM)	
J231	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		L153	5CPZ220K02	COIL PEAKING	22UH K (AXIAL 3.5MM)	
J232	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		L154	5CPZ689K02	COIL PEAKING	6.8UH K (AXIAL 3.5MM)	
J233	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		L156	5CPZ101K04	COIL PEAKING	100UH K (AXIAL 10.5MM)	
J234	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		L501	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)	
J235	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		L502	5CPZ220K02	COIL PEAKING	22UH K (AXIAL 3.5MM)	
J237	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		L503	5CPZ150K02	COIL PEAKING	15UH K (AXIAL 3.5MM)	
J238	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		L504	5CPZ101K04	COIL PEAKING	100UH K (AXIAL 10.5MM)	
J240	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		L602	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)	
J241	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		L603	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)	
J242	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		L605	5CPZ101K04	COIL PEAKING	100UH K (AXIAL 10.5MM)	
J244	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		L701	5CPZ220K02	COIL PEAKING	22UH K (AXIAL 3.5MM)	
J245	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		L703	5CPZ220K02	COIL PEAKING	22UH K (AXIAL 3.5MM)	
J246	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		L704	5CPZ220K02	COIL PEAKING	22UH K (AXIAL 3.5MM)	
J247	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		L705	5CPZ220K02	COIL PEAKING	22UH K (AXIAL 3.5MM)	
J248	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LA01	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)	
J249	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LA02	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)	
J250	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LA03	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)	
J251	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LA04	5CPZ101K04	COIL PEAKING	100UH K (AXIAL 10.5MM)	
J252	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LA05	5CPZ220K02	COIL PEAKING	22UH K (AXIAL 3.5MM)	
J253	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LA06	5MC0000100	COIL BEAD	HC-3550	
J254	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LA60	5CPZ101K04	COIL PEAKING	100UH K (AXIAL 10.5MM)	
J255	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LL01	5CPZ101K04	COIL PEAKING	100UH K (AXIAL 10.5MM)	
J256	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LL20	5CPZ101K04	COIL PEAKING	100UH K (AXIAL 10.5MM)	
J257	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LL21	5CPZ101K04	COIL PEAKING	100UH K (AXIAL 10.5MM)	
J258	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LL50	5CPZ101K04	COIL PEAKING	100UH K (AXIAL 10.5MM)	
J259	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LP01	5CPZ220K02	COIL PEAKING	22UH K (AXIAL 3.5MM)	
J260	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		LP02	5CPZ569K02	COIL PEAKING	5.6UH K (AXIAL 3.5MM)	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DECSCRIPTION	REMARK
LU02	5CPZ101K04	COIL PEAKING	100UH K (AXIAL 10.5MM)		R711	RD-AZ105J-	R CARBON FILM	1/6 1M OHM J	
LU03	5CPZ101K04	COIL PEAKING	100UH K (AXIAL 10.5MM)		R714	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
LU04	5CPZ569K02	COIL PEAKING	5.6UH K (AXIAL 3.5MM)		R715	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
LY01	5CPZ560K02	COIL PEAKING	56UH K (AXIAL 3.5MM)		R716	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
LY02	5CPZ220K02	COIL PEAKING	22UH K (AXIAL 3.5MM)		R717	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
LY03	5CPZ101K04	COIL PEAKING	100UH K (AXIAL 10.5MM)		R720	RD-AZ680J-	R CARBON FILM	1/6 68 OHM J	
LY04	5CPZ101K04	COIL PEAKING	100UH K (AXIAL 10.5MM)		R729	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
LY05	5CPZ101K04	COIL PEAKING	100UH K (AXIAL 10.5MM)		R730	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
LY06	5CPZ101K04	COIL PEAKING	100UH K (AXIAL 10.5MM)		R731	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R101	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J		R733	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R102	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J		R734	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R104	RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J		R735	RD-AZ151J-	R CARBON FILM	1/6 150 OHM J	
R151	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J		R737	RD-AZ151J-	R CARBON FILM	1/6 150 OHM J	
R153	RD-AZ183J-	R CARBON FILM	1/6 18K OHM J		R739	RD-AZ151J-	R CARBON FILM	1/6 150 OHM J	
R155	RD-AZ681J-	R CARBON FILM	1/6 680 OHM J		R741	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R158	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J		R743	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R159	RD-AZ820J-	R CARBON FILM	1/6 82 OHM J		R747	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R163	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J		R748	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R166	RD-AZ271J-	R CARBON FILM	1/6 270 OHM J		R749	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R170	RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J		R752	RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J	
R172	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J		R753	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R173	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J		RA01	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J	
R510	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J		PA09	RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J	
R511	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J		RA10	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
R513	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J		RA11	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
R519	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J		RA12	RD-AZ821J-	R CARBON FILM	1/6 820 OHM J	
R520	RD-AZ201J-	R CARBON FILM	1/6 200 OHM J		RA13	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J	
R521	RD-AZ201J-	R CARBON FILM	1/6 200 OHM J		RA14	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
R522	RD-AZ201J-	R CARBON FILM	1/6 200 OHM J		RA16	RD-AZ821J-	R CARBON FILM	1/6 820 OHM J	
R525	RD-AZ682J-	R CARBON FILM	1/6 6.8K OHM J		RA17	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J	
R527	RD-4Z109J-	R CARBON FILM	1/4 1 OHM J		RA18	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
R531	RD-AZ681J-	R CARBON FILM	1/6 680 OHM J		RA34	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
R533	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J		RA39	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J	
R535	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		RA43	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
R539	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		RA47	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
R543	RD-AZ151J-	R CARBON FILM	1/6 150 OHM J		RL09	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
R545	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J		RL10	RD-AZ333J-	R CARBON FILM	1/6 33K OHM J	
R546	RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J		RL20	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R560	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J		RL21	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R561	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J		RL22	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R601	RD-4Z221J-	R CARBON FILM	1/4 220 OHM J		RL23	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R602	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		RN03	RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J	
R610	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		RN04	RD-AZ154J-	R CARBON FILM	1/6 150K OHM J	
R611	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J		RN05	RD-4Z151J-	R CARBON FILM	1/4 150 OHM J	
R701	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J		RN06	RD-AZ154J-	R CARBON FILM	1/6 150K OHM J	
R709	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J		RN09	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J	
R710	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J		RN10	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DECSCRIPTION	REMARK
RN13	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J		RY16	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
RN14	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J		RY17	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J	
RN20	RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J		RY19	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J	
RN27	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J		RY20	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J	
RN28	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J		RY21	RD-AZ820J-	R CARBON FILM	1/6 82 OHM J	
RN29	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J		RY23	RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J	
RN31	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		RY24	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
RN32	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		RY25	RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J	
RN33	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		RY28	RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J	
RN38	RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J		RY29	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
RN39	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J		RY30	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
RN40	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J		RY31	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J	
RN42	RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J		RY32	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
RN43	RD-AZ333J-	R CARBON FILM	1/6 33K OHM J		ZZ300	PTPWMSA668	PCB POWER MANUAL AS	DVT-14H3LA	
RN50	RD-AZ183J-	R CARBON FILM	1/6 18K OHM J		C418	CMYE2D684J	C MYLAR	200V PU 0.68MF J	⚠
RN51	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J		C426	CMYH3C722J	C MYLAR	1.6KV BUP 7200PF J	⚠
RP02	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		C801	CL1JB3474K	C LINE ACROSS	AC250V 0.47MF U/C/SNDF/SV	
RP03	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		C804	CEYN2G101P	C ELECTRO	400V LHS 100MF (22X30)	⚠
RQ05	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		C811	CH1AFE472M	C CERA AC	4KV 4700PF M KX DE1610	⚠
RQ06	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		C821	CEYF2C101V	C ELECTRO	160V RSS 100MF (16X25)	
RQ07	RD-AZ181J-	R CARBON FILM	1/6 180 OHM J		C902	CCYB2H103K	C CERA	500V B 0.01MF K	
RQ08	RD-AZ181J-	R CARBON FILM	1/6 180 OHM J		D809	DHER308G--	DIODE	HER308G	⚠
RQ10	RD-AZ271J-	R CARBON FILM	1/6 270 OHM J		D821	DRGP30J---	DIODE	RGP30J	⚠
RQ11	RD-AZ431J-	R CARBON FILM	1/6 430 OHM J		F801	5FSCB4022R	FUSE CERA	SEMKO F4AH 4A 250V MF51	⚠
RQ12	RD-AZ821J-	R CARBON FILM	1/6 820 OHM J		I301	PTA2SW8201	HEAT SINK ASS`Y	ITDA8357J- + 7174301000	
RQ13	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J		1	1TDA8357J-	IC VERTICAL	TDA8357J	Ⓡ
RQ15	RD-AZ271J-	R CARBON FILM	1/6 270 OHM J		0000A	4857028201	HEAT SINK	AL EX	
RQ16	RD-AZ431J-	R CARBON FILM	1/6 430 OHM J		0000B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN	
RQ17	RD-AZ821J-	R CARBON FILM	1/6 820 OHM J		I801	PTG2SW7701	HEAT SINK ASS`Y	1STRF6653- + 7174300811	
RQ18	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J		1	1STRF6653-	IC SMPS	STR-F6653	Ⓡ
RU07	RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J		0000A	4857027701	HEAT SINK	AL EX	
RU11	RD-AZ821J-	R CARBON FILM	1/6 820 OHM J		0000B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
RU19	RN-AZ1001F	R METAL FILM	1/6 1K OHM F		I802	1KP1010C--	IC PHOTO COUPLER	KP-1010C	⚠
RU20	RD-AZ229J-	R CARBON FILM	1/6 2.2 OHM J		I821	1SE110N---	IC REGULATOR	SE110N	Ⓡ
RU21	RD-AZ229J-	R CARBON FILM	1/6 2.2 OHM J		I822	TX0202DA--	THYRISTOR	X0202DA1BA2	⚠
RU28	RD-AZ561J-	R CARBON FILM	1/6 560 OHM J		I823	PTV2SW7800	HEAT SINK ASS`Y	1K1A7809P1 + 7174300811	
RU29	RD-AZ333J-	R CARBON FILM	1/6 33K OHM J		1	1K1A7809P1	IC REGULATOR	K1A7809API	Ⓡ
RU30	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J		0000A	4857027800	HEAT SINK	AL EX	
RU32	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J		0000B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
RU35	RD-AZ333J-	R CARBON FILM	1/6 33K OHM J		I824	PTW2SW7800	HEAT SINK ASS`Y	1K1A7806P1 + 7174300811	
RU36	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J		1	1K1A7806P1	IC REGULATOR	KIA7806API	Ⓡ
RY02	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J		0000A	4857027800	HEAT SINK	AL EX	
RY03	RD-AZ183J-	R CARBON FILM	1/6 18K OHM J		0000B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
RY04	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J		I825	1K1A7806P1	IC REGULATOR	KIA7806API	Ⓡ
RY05	RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J		I826	1LP295033-	IC REGULATOR	LP2950 3.3V	Ⓡ
RY07	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J		I901	PTB3SW1300	HEAT SINK ASS`Y	1TDA6107Q- + 7174301011	
RY15	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		1	1TDA6107Q-	IC VIDEO	TDA6107Q	Ⓡ

SERVICE PARTS LIST

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DECSCRIPTION	REMARK
0000A	4857031300	HEAT SINK	A1050P-H24 T1.6		E004	4856310300	EYE LET	BSR T0.2 (R1.6)	
0000B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN		E005	4856310300	EYE LET	BSR T0.2 (R1.6)	
L401	58H0000018	COIL H-LINEARITY	L-125 (125UH)		E006	4856310300	EYE LET	BSR T0.2 (R1.6)	
L801	5PLF24A3--	FILTER LINE	LF-24A3	⚠	E007	4856310300	EYE LET	BSR T0.2 (R1.6)	
P401	4859240020	CONN WAFER	YFW500-05		E008	4856310300	EYE LET	BSR T0.2 (R1.6)	
P801	4859235520	CONN WAFER	YW025-12		E009	4856310300	EYE LET	BSR T0.2 (R1.6)	
P903	4859289920	CONN WAFER	YFW254-05S		E010	4856310600	EYE LET	BSR T0.2 (R2.3)	
PA902	4850704S03	CONNECTOR	YH025-04+YST025+ULW=300		E011	4856310600	EYE LET	BSR T0.2 (R2.3)	
PW01	PTWBSW7410	CORD POWER ASS`Y	906111+HOUSING+TUBE+17700		E012	4856310600	EYE LET	BSR T0.2 (R2.3)	
PW000	4859906111	CORD POWER	M5206+H03VVH2-F=2250	⚠	E013	4856310600	EYE LET	BSR T0.2 (R2.3)	
PW001	4857417700	TERM CLAMP	PT-01-T3		E014	4856310600	EYE LET	BSR T0.2 (R2.3)	
PW02	4850702S16	CONNECTOR	YFH800-02+YDT235+ULW=400		E015	4856310600	EYE LET	BSR T0.2 (R2.3)	
Q401	PTA2SW7610	HEAT SINK ASS`Y	T2SD2499-- + 7174301011		E016	4856310300	EYE LET	BSR T0.2 (R1.6)	
1	T2SD2499--	TR	2SD2499	⚠ Ⓡ	E017	4856310300	EYE LET	BSR T0.2 (R1.6)	
0000A	4857027610	HEAT SINK	AL EX		E018	4856310300	EYE LET	BSR T0.2 (R1.6)	
0000B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN		E019	4856310600	EYE LET	BSR T0.2 (R2.3)	
R801	DEC140M290	POSISTOR	ECPCC140M290	⚠	E020	4856310600	EYE LET	BSR T0.2 (R2.3)	
R802	RX10B339JP	R CEMENT	10W 3.3 OHM J BEN 15MM 4P		E021	4856310600	EYE LET	BSR T0.2 (R2.3)	
R907	RF01Y188K-	R FUSIBLE	1W 0.18 OHM K	⚠ Ⓡ	E022	4856310600	EYE LET	BSR T0.2 (R2.3)	
RLY1	5SC0101338	SW RELAY	DQ5D1-O(M)/GJ-SS-105LM	⚠	E023	4856310600	EYE LET	BSR T0.2 (R2.3)	
SCT1	4859303430	SOCKET CRT	PCS633A	⚠ Ⓡ	E024	4856310600	EYE LET	BSR T0.2 (R2.3)	
SW801	5S40101146	SW POWER PUSH	SS-160-7-B		E025	4856310600	EYE LET	BSR T0.2 (R2.3)	
T401	50D10A2---	TRANS DRIVE	TD-10A2	⚠ Ⓡ	E026	4856310600	EYE LET	BSR T0.2 (R2.3)	
T402	50H0000204	FBT	1142.5106	⚠ Ⓡ	E027	4856310600	EYE LET	BSR T0.2 (R2.3)	
T801	50M3541A7-	TRANS SMPS	TSM-3541A7	⚠ Ⓡ	E028	4856310600	EYE LET	BSR T0.2 (R2.3)	
ZZ200	PTPWJ0A668	PCB POWER ODD SHAPE	DVT-14H3LA		E029	4856310600	EYE LET	BSR T0.2 (R2.3)	
C311	CEXF1E471V	C ELECTRO	25V RSS 470MF (10X16) TP		E030	4856310600	EYE LET	BSR T0.2 (R2.3)	
C419	CEXF2C100V	C ELECTRO	160V RSS 10MF (10X16) TP		E031	4856310600	EYE LET	BSR T0.2 (R2.3)	
C421	CEXF2C470V	C ELECTRO	160V RSS 47MF (13X25) TP		E032	4856310600	EYE LET	BSR T0.2 (R2.3)	
C423	CEXF2E100V	C ELECTRO	250V RSS 10MF (10X20) TP		E033	4856310600	EYE LET	BSR T0.2 (R2.3)	
C802	CCXB3A472K	C CERA	1KV B 4700PF K (TAPPING)		E034	4856310300	EYE LET	BSR T0.2 (R1.6)	
C803	CCXB3A472K	C CERA	1KV B 4700PF K (TAPPING)		E035	4856310300	EYE LET	BSR T0.2 (R1.6)	
C806	CBXB3D471K	C CERA SEMI	2KV BL(N) 470PF K (T)		E036	4856310300	EYE LET	BSR T0.2 (R1.6)	
C809	CEXF2W100V	C ELECTRO	450V RSS 10MF (13X20) TP		E037	4856310600	EYE LET	BSR T0.2 (R2.3)	
C822	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP		E038	4856310600	EYE LET	BSR T0.2 (R2.3)	
C823	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP		E039	4856310300	EYE LET	BSR T0.2 (R1.6)	
C824	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP		E040	4856310300	EYE LET	BSR T0.2 (R1.6)	
C825	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP		E041	4856310300	EYE LET	BSR T0.2 (R1.6)	
C837	CEXF1V102V	C ELECTRO	35V RSS 1000MF (13X25) TP		E042	4856310300	EYE LET	BSR T0.2 (R1.6)	
C844	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP		P801A	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	
C850	CEXF2C470V	C ELECTRO	160V RSS 47MF (13X25) TP		P801B	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	
C904	CBXB3D102K	C CERA SEMI	2KV BL(N) 1000PF K (T)		P802	485923522S	CONN WAFER	YW025-09 (STICK)	
ZZ200	PTPWJBA668	PCB POWER M-10 AS	DVT-14H3LA		P802A	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	
10	2TM18006BE	TAPE MASKING	6.2X500		P802B	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	
E001	4856310300	EYE LET	BSR T0.2 (R1.6)		P803	485923202S	CONN WAFER	YW025-07 (STICK)	
E002	4856310300	EYE LET	BSR T0.2 (R1.6)		P803A	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	
E003	4856310300	EYE LET	BSR T0.2 (R1.6)		P803B	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DECSCRIPTION	REMARK
P804A	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)		Q835	TKTA1266Y-	TR	KTA1266Y (TP)	
P804B	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)		Q836	TKTC3198Y-	TR	KTC3198Y	
P901	485923182S	CONN WAFER	YW025-05 (STICK)		R318	RN02B331JS	R METAL FILM	2W 330 OHM J SMALL	
P902	485923172S	CONN WAFER	YW025-04 (STICK)		R416	RN02B102JS	R METAL FILM	2W 1K OHM J SMALL	
R803	RS02Z683JS	R M-OXIDE FILM	2W 68K OHM J SMALL		R417	RN02B103JS	R METAL FILM	2W 10K OHM J SMALL	
R809	RS02Z338JS	R M-OXIDE FILM	2W 0.33 OHM J SMALL	⚠	R830	RN02B109JS	R METAL FILM	2W 1 OHM J SMALL	
R832	RS02Z828JS	R M-OXIDE FILM	2W 0.82 OHM J SMALL		R831	RN02B473JS	R METAL FILM	2W 47K OHM J SMALL	
ZZ200	PTPWJRA668	PCB POWER RADIAL AS	DVT-14H3LA		R836	RN02B209JS	R METAL FILM	2W 2 OHM J SMALL	
C312	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)		R837	RN02B240JS	R METAL FILM	2W 24 OHM J SMALL	
C313	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)		R841	RN02B562JS	R METAL FILM	2W 5.6K OHM J SMALL	
C314	CMXM2A473J	C MYLAR	100V 0.047MF J (TP)		R842	RN02B562JS	R METAL FILM	2W 5.6K OHM J SMALL	
C315	CMXM2A473J	C MYLAR	100V 0.047MF J (TP)		ZZ200	PTPWJAA668	PCB POWER AXIAL AS	DVT-14H3LA	
C317	CMXM2A103J	C MYLAR	100V 0.01MF J (TP)		10	2TM14006LB	TAPE MASKING	3M #232 6.0X2000M	
C320	CMXM2A473J	C MYLAR	100V 0.047MF J (TP)		20	2TM10006LB	TAPE MASKING	3M #232-MAP-C 6.2X2000M	
C403	CCXB2H221K	C CERA	500V B 220PF K (TAPPING)		A001	4859813111	PCB POWER	246X165(330X246/2X1)	
C410	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP		C852	CCZF1H103Z	C CERA	50V F 0.01MF Z	
C411	CCXB2H222K	C CERA	500V B 2200PF K (TAPPING)		C853	CCZF1H103Z	C CERA	50V F 0.01MF Z	
C412	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)		C855	CCZF1H103Z	C CERA	50V F 0.01MF Z	
C424	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)		C856	CCZF1H103Z	C CERA	50V F 0.01MF Z	
C433	CXSL2H470J	C CERA	500V SL 47PF J (TAPPING)		C857	CCZF1H103Z	C CERA	50V F 0.01MF Z	
C805	CEXF1H330V	C ELECTRO	50V RSS 33MF (6.3X11) TP		C858	CCZF1H103Z	C CERA	50V F 0.01MF Z	
C807	CCXB1H152K	C CERA	50V B 1500PF K (TAPPING)		C859	CCZF1H103Z	C CERA	50V F 0.01MF Z	
C808	CCXB1H821K	C CERA	50V B 820PF K (TAPPING)		D311	D1N4004S--	DIODE	1N4004S	
C827	CCXB1H472K	C CERA	50V B 4700PF K (TAPPING)		D312	DUZ12BM---	DIODE ZENER	UZ-12BM (UNIZON)	
C831	CCXB3A471K	C CERA	1KV B 470PF K (T)		D315	DUZ30BM---	DIODE ZENER	UZ-30BM	
C832	CCXB2H471K	C CERA	500V B 470PF K (TAPPING)		D316	DUZ30BM---	DIODE ZENER	UZ-30BM	
C838	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP		D413	DRGP15J---	DIODE	RGP15J	
C839	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP		D421	DRGP15J---	DIODE	RGP15J	
C842	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP		D422	DRGP15J---	DIODE	RGP15J	
C843	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP		D423	DRGP15J---	DIODE	RGP15J	
C845	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP		D425	D1N4148---	DIODE	1N4148 (TAPPING)	
C846	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP		D426	D1N4148---	DIODE	1N4148 (TAPPING)	
C849	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP		D801	D1S1888---	DIODE	1S1888 (TAPPING)	
F801A	4857415001	CLIP FUSE	PFC5000-0702		D802	D1S1888---	DIODE	1S1888 (TAPPING)	
F801B	4857415001	CLIP FUSE	PFC5000-0702		D803	D1S1888---	DIODE	1S1888 (TAPPING)	
Q402	T2SD1207T-	TR	2SD1207-T (TAPPING)	Ⓡ	D804	D1S1888---	DIODE	1S1888 (TAPPING)	
Q801	TKTC3207--	TR	KTC3207 (TP)		D805	DRGP15J---	DIODE	RGP15J	
Q802	TKTC3207--	TR	KTC3207 (TP)		D806	DRGP15J---	DIODE	RGP15J	
Q821	TKTC3198Y-	TR	KTC3198Y		D807	DRGP15J---	DIODE	RGP15J	
Q822	TKTC3198Y-	TR	KTC3198Y		D808	DUZ13BM---	DIODE ZENER	UZ-13BM	
Q823	TKTC3198Y-	TR	KTC3198Y		D822	DRGP15J---	DIODE	RGP15J	
Q824	TKTC3198Y-	TR	KTC3198Y		D823	DRGP15J---	DIODE	RGP15J	
Q825	TKTC3198Y-	TR	KTC3198Y		D824	DRGP15J---	DIODE	RGP15J	
Q827	TKSA1013Y-	TR	KSA1013Y (TP)		D825	DRGP15J---	DIODE	RGP15J	
Q828	TKTA1266Y-	TR	KTA1266Y (TP)		D827	D1N4148---	DIODE	1N4148 (TAPPING)	
Q829	TKTC3198Y-	TR	KTC3198Y		D828	DRGP15J---	DIODE	RGP15J	
Q834	TKTC3203Y-	TR	KTC3203-Y		D831	D1N4148---	DIODE	1N4148 (TAPPING)	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	DECSCRIPTION	REMARK
D832	DUZ5R6BM--	DIODE ZENER	UZ-5.6BM		R804	RD-2Z474J-	R CARBON FILM	1/2 470K OHM J	
D833	DUZ5R6BM--	DIODE ZENER	UZ-5.6BM		R806	RD-4Z470J-	R CARBON FILM	1/4 47 OHM J	
D839	D1N4004S--	DIODE	1N4004S		R807	RD-4Z362J-	R CARBON FILM	1/4 3.6K OHM J	
D841	D1N4148---	DIODE	1N4148 (TAPPING)		R808	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
J001	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R810	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
J002	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R811	RC-2Z565KP	R CARBON COMP	1/2 5.6M OHM K	⚠
J003	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R812	RD-4Z470J-	R CARBON FILM	1/4 47 OHM J	
J004	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R813	RD-2Z204J-	R CARBON FILM	1/2 200K OHM J	
J005	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R821	RD-4Z470J-	R CARBON FILM	1/4 47 OHM J	
J006	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R822	RD-4Z754J-	R CARBON FILM	1/4 750K OHM J	
J007	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R824	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J	
J008	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R825	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J	
J009	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R826	RD-2Z222J-	R CARBON FILM	1/2 2.2K OHM J	
J010	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R827	RD-2Z102J-	R CARBON FILM	1/2 1K OHM J	
J011	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R828	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
J012	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R829	RD-4Z103J-	R CARBON FILM	1/4 10K OHM J	
J013	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R833	RD-4Z363J-	R CARBON FILM	1/4 36K OHM J	
J014	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R834	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
J015	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R835	RD-AZ363J-	R CARBON FILM	1/6 36K OHM J	
J016	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R847	RD-AZ104J-	R CARBON FILM	1/6 100K OHM J	
J017	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R848	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
J018	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R849	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
J019	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R852	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
J021	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R853	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
J022	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R854	RD-4Z121J-	R CARBON FILM	1/4 120 OHM J	
J023	5CPZ569K02	COIL PEAKING	5.6UH K (AXIAL 3.5MM)		R861	RD-AZ104J-	R CARBON FILM	1/6 100K OHM J	
J025	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R862	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
L311	5CPZ109M04	COIL PEAKING	1UH 10.5MM M (LAL04TB)		R863	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
L312	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)		R901	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
L313	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)		R902	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
L412	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING		R903	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
L802	5MC0000100	COIL BEAD	HC-3550		R904	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R311	RN-4Z1201F	R METAL FILM	1/4 1.20K OHM F		R905	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R312	RN-4Z1201F	R METAL FILM	1/4 1.20K OHM F		R906	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R315	RD-4Z562J-	R CARBON FILM	1/4 5.6K OHM J		R908	RD-2Z102J-	R CARBON FILM	1/2 1K OHM J	
R316	RD-4Z272J-	R CARBON FILM	1/4 2.7K OHM J		R909	RD-2Z102J-	R CARBON FILM	1/2 1K OHM J	
R317	RD-4Z564J-	R CARBON FILM	1/4 560K OHM J		R910	RD-2Z102J-	R CARBON FILM	1/2 1K OHM J	
R319	RD-2Z159J-	R CARBON FILM	1/2 1.5 OHM J						
R320	RD-4Z473J-	R CARBON FILM	1/4 47K OHM J						
R321	RD-4Z159J-	R CARBON FILM	1/4 1.5 OHM J						
R405	RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J						
R412	RD-4Z272J-	R CARBON FILM	1/4 2.7K OHM J						
R413	RD-4Z399J-	R CARBON FILM	1/4 3.9 OHM J						
R419	RD-4Z273J-	R CARBON FILM	1/4 27K OHM J						
R421	RD-2Z224J-	R CARBON FILM	1/2 220K OHM J						
R422	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J						
R423	RD-4Z303J-	R CARBON FILM	1/4 30K OHM J						

THE DIFFERENT PARTS LIST FOR INCH OPTION

Loc.	PART NAME	DESCRIPTION	S/N	14" CHUNGHWA	20" DOSA	21" PHILIPS	REMARK
C418	C MYLAR	200V PU 0.47uF	CMYE2D474J			○	
		200V PU 0.68uF	CMYE2D684J	○	○		
L401	COIL H-LINEARIT	L-102 (102uH)	58H0000016			○	
L401	COIL H-LINEARIT	L-125 (125uH)	58H0000018	○			
R416	R METAL FILM	2W 1K OHM J SMALL	RN02B102JS	○		○	
J020	WIRE COPPER	AWG22 1/0.65 TIN CO	85801065GY		○		POWER PCB
C426	C MYLAR	1.6KV BUP 7200pF	CMYH3C722J	○	○		
		1.6KV BUP 8200pF	CMYH3C822J			○	
R311	R METAL FILM	1/4 1.20K OHM F	RN-4Z1201F	○			
		1/4 1.50K OHM F	RN-4Z1501F		○		
		1/4 2.0K OHM F	RN-4Z2001F			○	
R312	R EMTAL FILM	1/4 1.20K OHM F	RN-4Z1201F	○			
		1/4 1.50K OHM F	RN-4Z1501F		○		
		1/4 2.0K OHM F	RN-4Z2001F			○	
R801	POSISTOR	ECPCC140M290	DEC140M290	○			
		2322 662 96709	DPC7R0M290		○	○	
P401	CONN WAFER	YFW500-05	4859240020	○	○		
		YFW500-06	4859240120			○	
R907	R FUSIBLE	1W 0.18K (TAPPING)	RF01Y188K-	○			
	R M-OXIDE	1W 3 0HM J	RS01Z309J-		○		
		2W 3.6 OHM J SMALL	RS02Z369JS			○	
V901	CRT	A34AGT14X	4859609841	○			ML-53987A1
		A48JLL90X02 P50	4859604160		○		ODY-M2002
		A51EAL55X17	4859607660C			○	AT6035/17
SCT1	SOCKET CRT	PCS633A	4859303430	○	○		
		PCS629-03C	4859303530			○	
ZZ131	CRT GROUND N	1401S-1015-1P	48519A4710	○			
		2001S-1015-1P	48519A5110		○		
		2101S-1015-1P	48519A5310			○	

Loc.	PART NAME	DESCRIPTION	S/N	14" CHUNGHWA	20" DOSA	21" PHILIPS	REMARK
ZZ132	COIL DEGAUSS	DC-1450	58G0000084	○			
		DC-20SF	58G0000146		○		
		DC-21SF	58G0000147			○	
R525	R CARBON FILM	1/6 6.8K OHM J	RD-AZ682J-	○			MAIN PCB
		1/6 5.6K OHM J	RD-AZ562J-		○		MAIN PCB
		1/6 5.1K OHM J	RD-AZ512J-			○	MAIN PCB
R523	R CHIP	1/10 75K OHM J	HRFT753JA	○	○		MAIN PCB
		1/10 91K OHM J	HRFT913JCA			○	MAIN PCB
R611	R CARBON FILM	1/6 22K OHM J	RD-AZ223J-	○			MAIN PCB
		1/6 18K OHM J	RD-AZ183J-		○	○	MAIN PCB
00020	ANT LOOP	PH-RM-006A	4852A01220	○			ONLY USED U.K
	ANT ROD	RH-RM-008A	4850A03310	○			
R835	R CARBON FILM	1/6 36K OHM J	RD-AZ363J-		○	○	
	R CARBON FILM	1/6 75K OHM J	RD-AZ753J-	○			
R827	R CARBON FILM	1/2 1K OHM J	RD-2Z102J-	○			
	WIRE COPPER	AWG22 V0.65 TIN COATING	85801065GY		○	○	
R801	TRANS SMPS	TSM-3541A7	50M7541A7-	○			
		TSM-3541A6	50M7541A6-		○	○	
I821	I.C	SE110N	1SE110N---	○			
		SE125N	1SE125N---		○	○	

THE DIFFERENT PARTS LIST FOR SYSTEM & TUNER OPTION

LOC.	PART NAME	DESCRIPTION	S/N	UNITED KINDOM		CONTINENTAL		FRANCE		EAST EUROPE		MIDDLE EAST ASIA		AUSTRALIA		REMARK
I151	IC RF	TDA9801	1TDA9801--		○		○				○		○		○	New Part(Dempol)
	IC RF	TDA9802	1TDA9802--						○							New Part(Dempol)
I501	IC VIDEO	TDA8841	1TDA8841--	○	○	○	○							○	○	
		TDA8842/N2	1TDA8842N2					○	○	○	○	○	○			
IA60	IC	TC4053BP	1TC4053BP-		○		○		○		○		○		○	
IL01	IC SIF	STV8225	1STV8225--					○	○							New Part(Dempol)
IL20	IC SECAM L	TA1238N	1TA1238N--					○	○							New Part(Dempol)
IL50	IC SIF	STV8225	1STV8225--						○							
L155	COIL PIF	TRF-7780A	58B0000S88		○		○		○		○		○		○	New Part(Dempol)
SF150	FILTER SAW	J1952M	5PJ1952M--		○				○							
		G1966M	5PG1966M--				○								○	
		K2950M	5PK2950M--								○		○			
SF501	FILTER SAW	J1952M	5PJ1952M--	○	○			○	○							
		G1966M	5PG1966M--			○	○							○	○	
		K2950M	5PK2950M--							○	○	○	○			
SFL01	FILTER SAW	L9653M	5PL9653M--					○	○							New Part
SFL50	FILTER SAW	L9653M	5PL9653M--						○							
U101	TUNER	TAEL-G772D	4859721030		○		○		○		○		○		○	New Part
		DT5-BF18D	4859719930	○		○		○		○		○		○		
U150	TUNER	DT5-BF15P	4859719730		○		○		○		○		○		○	
U150A	JACK PHONO	PLUG+CABLE 1365 AW	4859004650		○		○		○		○		○		○	
XL20	CRYSTAL QUARTZ	HC-49S 4.286000M	5XJX4R286C					○	○							New Part(Dempol)
Z502	FILTER CERA	XT 6.5MB	5PYXT6R5MB							○	○	○	○			
Z503	FILTER CERA	XT 5.5MB	5PYXT5R5MB			○	○	○	○	○	○	○	○	○	○	
		XT 6.0MB	5PYXT6R0MB	○	○											
Z153	FILTER CERA	XT 6.5MB	5PYXT6R5MB								○		○			
Z154	FILTER CERA	XT 5.5MB	5PYXT5R5MB				○		○		○		○		○	
		XT 6.0MB	5PYXT6R0MB		○											

LOC.	PART NAME	DESCRIPTION	S/N	UNITED KINDOM		CONTINENTAL		FRANCE		EAST EUROPE		MIDDLE EAST ASIA		AUSTRALIA		REMARK
				1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	
CC150	C CHIP CERA	50V 0.01uF	HCBK103KCA		○		○		○		○		○		○	
CC156		50V 1000pF	HCBK102KCA		○		○		○		○		○		○	
CC157		50V 0.1uF	HCFK104ZCA		○		○		○		○		○		○	
CC159		50V 0.1uF	HCFK104ZCA		○		○		○		○		○		○	
CC160		50V CH 82pF	HCQK820JCA		○		○		○		○		○		○	
CC161		50V 0.033uF	HCBK333KCA		○		○		○		○		○		○	
CC162		50V 0.033uF	HCBK333KCA		○		○		○		○		○		○	
CC163		50V 0.022uF	HCBK223KCA						○							
CC163		50V 0.015uF	HCBK153KCA		○		○				○		○		○	
CC165		50V 0.1uF	HCFK104ZCA		○		○		○		○		○		○	
CC167		50V CH 56pF	HCQK560JCA		○		○		○		○		○		○	
CC169		50V 4700pF	HCBK472KCA		○		○		○		○		○		○	
CC170		50V 1000pF	HCBK102KCA		○		○		○		○		○		○	
CC172		50V CH 8pF	HCQK809DCA		○		○				○		○		○	
CC175		50V 0.1uF	HCFK104ZCA		○		○		○		○		○		○	
CC710		50V 4700pF	HCBK472KCA		○		○		○		○		○		○	
CC716		0.1uF	HCFK104ZCA						○							
CC717		0.022uF	HCBK223KCA					○	○							
CC720		0.01uF	HCBK103KCA					○	○							
CC721		0.01uF	HCBK103KCA						○							
CCA64		50V 4700pF	HCBK472KCA		○		○		○		○		○		○	
CCL01		22pF	HCQK220JCA					○	○							
CCL02		82pF	HCQK820JCA					○	○							
CCL03		22pF	HCQK220JCA					○	○							
CCL08		0.01uF	HCBK103KCA					○	○							
CCL09		0.01uF	HCBK103KCA					○	○							
CCL11		0.1uF	HCFK104ZCA					○	○							
CCL20		0.01uF	HCBK103KCA					○	○							

LOC.	PART NAME	DESCRIPTION	S/N	UNITED KINDOM		CONTINENTAL		FRANCE		EAST EUROPE		MIDDLE EAST ASIA		AUSTRALIA		REMARK
				1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	
CCL21		0.1uF	HCFK104ZCA					○	○							
CCL22		0.1uF	HCFK104ZCA					○	○							
CCL23		15pF	HCQK150JCA					○	○							
CCL24		0.01uF	HCBK103KCA					○	○							
CCL26		100pF	HCQK101JCA					○	○							
CCL27		100pF	HCQK101JCA					○	○							
CCL28		0.033uF	HCBK333KCA					○	○							
CCL30		0.01uF	HCBK103KCA					○	○							
CCL31		0.01uF	HCBK103KCA					○	○							
CCL32		0.01uF	HCBK103KCA					○	○							
CCL33		0.01uF	HCBK103KCA					○	○							
CCL36		0.047uF	HCBK473KCA					○	○							
CCL39		0.047uF	HCBK473KCA					○	○							
CCL40		0.01uF	HCBK103KCA					○	○							
CCL41		0.1uF	HCFK104ZCA					○	○							
CCL50		50 CH 22pF	HCQK220JCA						○							
CCL51		50V CH 82pF	HCQK820JCA						○							
CCL52		50 CH 22pF	HCQK220JCA						○							
CCL53		0.1uF	HCFK104ZCA						○							
CCL56		0.1uF	HCFK104ZCA						○							
CCP01		0.01uF	HCBK103KCA		○		○		○		○		○		○	
CCP03		0.047uF	HCBK473KCA		○		○		○		○		○		○	
CCP05		0.01uF	HCBK103KCA		○		○		○		○		○		○	
DC154	DIODE CHIP	BB639C	DBB639C--B						○							New Part (Dempol)
ICP01	IV VPS(PDC)	LC74793	1LC74793--		○		○		○		○		○		○	New Part
QC150	TR CHIP	2SA812	T2SA812T2B		○		○		○		○		○		○	
QC151		2SC1623	T2SC1623T2						○							

LOC.	PART NAME	DESCRIPTION	S/N	UNITED KINDOM		CONTINENTAL		FRANCE		EAST EUROPE		MIDDLE EAST ASIA		AUSTRALIA		REMARK
				1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	
QC152		2SC1623	T2SC1623T2		○		○		○		○		○		○	
QC153		2SC1623	T2SC1623T2		○		○		○		○		○		○	
QC706		2SC1623	T2SC1623T2						○							
QCA11		2SC1623	T2SC1623T2		○		○		○		○		○		○	
QCL01		KTC3881	TKTC3881-B					○	○							
QCL02		2SC1623	T2SC1623T2					○	○							
QCL20		2SC1623	T2SC1623T2					○	○							
QCL21		2SC1623	T2SC1623T2					○	○							
QCL22		2SC1623	T2SC1623T2					○	○							
QCL23		2SA812	T2SA812T2B					○	○							
QCL50		KTC3881	TKTC3881-B						○							
QCL52		2SC1623	T2SC1623T2						○							
QCP01		2SA812	T2SA812T2B		○		○		○		○		○		○	
RC105	R CHIP	1/10 18K OHM	HRFT183JCA					○	○							Adjust Level AGC
RC150		1/10 100 OHM	HRFT101JCA		○		○		○		○		○		○	
RC154		1/10 3.9K OHM	HRFT392JCA		○		○		○		○		○		○	
RC156		1/10 8.2K OHM	HRFT822JCA		○		○		○		○		○		○	
RC157		1/10 3.3K OHM	HRFT332JCA		○		○				○		○		○	
RC160		1/10 2.4K OHM	HRFT242JCA		○		○		○		○		○		○	
RC161		1/10 1.8K OHM	HRFT182JCA		○		○		○		○		○		○	
RC162		1/10 3K OHM	HRFT302JCA						○							
RC162		1/10 4.7K OHM	HRFT472JCA		○		○				○		○		○	
RC164		1/10 10K OHM	HRFT103JCA		○		○		○		○		○		○	
RC165		1/10 560 OHM	HRFT561JCA		○		○		○		○		○		○	
RC167		1/10 22K OHM	HRFT223JCA		○		○		○		○		○		○	
RC168		1/10 100K OHM	HRFT104JCA		○		○		○		○		○		○	
RC169		1/10 100K OHM	HRFT104JCA		○		○		○		○		○		○	
RC174		1/10 150K OHM	HRFT154JCA						○							

LOC.	PART NAME	DESCRIPTION	S/N	UNITED KINDOM		CONTINENTAL		FRANCE		EAST EUROPE		MIDDLE EAST ASIA		AUSTRALIA		REMARK
				1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	
RC174		1/10 130K OHM	HRFT134JCA		○		○				○		○		○	
RC175		1/10 75K OHM	HRFT753JCA		○		○		○		○		○		○	
RC176		1/10 1.5K OHM	HRFT152JCA						○							
RC176		1/10 1.2K OHM	HRFT122JCA		○		○				○		○		○	
RC178		1/10 1K OHM	HRFT102JCA		○		○		○		○		○		○	
RC179		1/10 1K OHM	HRFT102JCA		○		○		○		○		○		○	
RC551		*	*	560 OHM		560OHM		1.1K OHM		560 OHM		560 OHM		560 OHM		Sound Level
RC722		1/10 10K OHM	HRFT103JCA					○	○							
RC723		1/10 10K OHM	HRFT103JCA						○							
RC725		1/10 24K OHM	HRFT243JCA						○							
RC726		1/10 10K OHM	HRFT103JCA					○	○							
RC727		1/10 68 OHM	HRFT680JCA					○	○							
RC728		1/10 1K OHM	HRFT102JCA					○	○							
RC745		1/10 10K OHM	HRFT103JCA	○		○		○		○		○		○		
RCA52		1/10 4.7K OHM	HRFT472JCA		○		○		○		○		○		○	
RCL01		1/10 47 OHM	HRFT470JCA					○	○							
RCL02		1/10 2.2K OHM	HRFT222JCA					○	○							
RCL03		1/10 100 OHM	HRFT101JCA					○	○							
RCL04		1/10 15K OHM	HRFT153JCA					○	○							
RCL05		1/10 750 OHM	HRFT751JCA					○	○							
RCL06		1/10 10K OHM	HRFT103JCA					○	○							
RCL07		1/10 6.8K OHM	HRFT682JCA					○	○							
RCL08		1/10 33K OHM	HRFT333JCA					○	○							
RCL24		1/10 1K OHM	HRFT102JCA					○	○							
RCL25		1/10 33K OHM	HRFT333JCA					○	○							
RCL26		1/10 12K OHM	HRFT123JCA					○	○							
RCL27		1/10 1K OHM	HRFT102JCA					○	○							
RCL28		1/10 2K OHM	HRFT202JCA					○	○							

LOC.	PART NAME	DESCRIPTION	S/N	UNITED KINDOM		CONTINENTAL		FRANCE		EAST EUROPE		MIDDLE EAST ASIA		AUSTRALIA		REMARK
				1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	
RCL29		1/10 470 OHM	HRFT471JCA					○	○							
RCL30		1/10 10K OHM	HRFT103JCA					○	○							
RCL31		1/10 2.2K OHM	HRFT222JCA					○	○							
RCL32		1/10 3.3K OHM	HRFT332JCA					○	○							
RCL33		1/10 10K OHM	HRFT103JCA					○	○							
RCL50		1/10 47 OHM	HRFT470JCA						○							
RCL51		1/10 15K OHM	HRFT153JCA						○							
RCL52		1/10 2.2K OHM	HRFT222JCA						○							
RCL53		1/10 750 OHM	HRFT751JCA						○							
RCL54		1/10 100 OHM	HRFT101JCA						○							
RCL55		1/10 10K OHM	HRFT103JCA						○							
RCL56		1/10 6.8K OHM	HRFT682JCA						○							
RCL60		1/10 22K OHM	HRFT223JCA						○							
RCL61		1/10 33K OHM	HRFT333JCA						○							
RCL62		1/10 33K OHM	HRFT333JCA						○							
RCP01		1/10 390 OHM	HFRT391JCA		○		○		○		○		○		○	
RCP04		1/10 10K OHM	HRFT103JCA		○		○		○		○		○		○	
RCP05		1/10 1.8K OHM	HRFT182JCA		○		○		○		○		○		○	
RCP06		1/10 5.6K OHM	HRFT562JCA		○		○		○		○		○		○	
RCP07		1/10 10K OHM	HRFT103JCA		○		○		○		○		○		○	
C151	C ELECTRO	25V RSS 220uF	CEXF1E221V		○		○		○		○		○		○	
C156		50V RSS 10uF	CEXF1H100V		○		○		○		○		○		○	
C157		50V RSS 100uF	CEXF1E101V		○		○		○		○		○		○	
C164		50V RSS 22uF	CEXF1H220V		○		○		○		○		○		○	
C166		25V RSS 47uF	CEXF1E470V		○		○		○		○		○		○	
C173		50V RSS 2.2uF	CEXF1H229V		○		○		○		○		○		○	
C174		25V RSS 100uF	CEXF1E101V		○		○		○		○		○		○	
C176		50V RSS 10uF	CEXF1H100V		○		○		○		○		○		○	

LOC.	PART NAME	DESCRIPTION	S/N	UNITED KINDOM		CONTINENTAL		FRANCE		EAST EUROPE		MIDDLE EAST ASIA		AUSTRALIA		REMARK
				1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	
C177		25V RSS 47uF	CEXF1E470V		○		○		○		○		○		○	
C718		50V RSM 10uF	CEXF1H100A					○	○							
CA60		25V RSS 100uF	CEXF1E101V		○		○		○		○		○		○	
CA62		50V RSS 10uF	CEXF1H100V		○		○		○		○		○		○	
CA63		50V RSS 10uF	CEXF1H100V		○		○		○		○		○		○	
CA65		25V RSS 47uF	CEXF1E470V		○		○		○		○		○		○	
CA66		25V RSS 47uF	CEXF1E470V		○		○		○		○		○		○	
CL05		50V RSS 4.7uF	CEXF1H479V					○	○							
CL10		25V RSS 100uF	CEXF1E101V					○	○							
CL12		50V RSS 4.7uF	CEXF1H479V					○	○							
CL25		16V RSM 100uF	CEXF1C101A					○	○							
CL29		50V RSM 2.2uF	CEXF1H229A					○	○							
CL34		16V RSM 100uF	CEXF1C101A					○	○							
CL35		50V RSM 1uF	CEXF1H109A					○	○							
CL38		50V RSM 1uF	CEXF1H109A					○	○							
CL54		50V RSS 4.7uF	CEXF1H479V						○							
CL55		25V RSS 100uF	CEXF1E101V						○							
CL57		50V RSS 4.7uF	CEXF1H479V						○							
CP04		50V RSM 4.7uF	CEXF1H479A		○		○		○		○		○		○	
CP07		50V RSM 1uF	CEXF1H109A		○		○		○		○		○		○	
CP09		16V RSM 100uF	CEXF1C101A		○		○		○		○		○		○	
CP10		50V RSS 1uF	CEXF1H109V		○		○		○		○		○		○	
I150	IC	UPC574J	1UPC574J--		○		○		○		○		○		○	
Q705	TR	KTC3198Y	TKTC3198Y-					○	○							
R157		10K OHM	RV4121103P						○							
R171		10K OHM	RV5426103P						○				○		○	
R180	R METAL FILM	2W 56 OHM J	RN02B560JS		○		○		○		○		○		○	
R181		2W56 OHM J	RN02B560JS		○		○		○		○		○		○	

LOC.	PART NAME	DESCRIPTION	S/N	UNITED KINDOM		CONTINENTAL		FRANCE		EAST EUROPE		MIDDLE EAST ASIA		AUSTRALIA		REMARK
				1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	
Z151	FILTER CERA	LT 5.5MH	5PXLT5R5MH				○		○		○		○		○	
		LT 6.0MH	5PXLT6R0MH		○											
Z152		LT 6.5MH	5PXLT6R5MH								○		○			
Z501		LT 5.5MH	5PXLT5R5MH			○	○	○	○	○	○	○	○	○	○	
		LT 6.0MH	5PXLT6R0MH	○	○											
Z504		LT 6.5MH	5PXLT6R5MH							○	○	○	○			
C168	C CERA	50V CH 22pF	CZCH1H220J		○		○		○		○		○		○	
C171		50V B 1000pF	CCZB1H102K		○		○		○		○		○		○	
CL37		50V F 0.01uF	CCZF1H103Z					○	○							
CP02		50V CH 22pF	CZCH1H220J		○		○		○		○		○		○	
D102	DIODE	*	*	WIRE	WIRE	WIRE	WIRE	1N4148	1N4148	WIRE	WIRE	WIRE	WIRE	WIRE	WIRE	Adjust Level AGC
D150	DIODE ZENER	UZ-5.1B	DUZ5R1B---		○		○		○		○		○		○	
D151	DIODE	*	*		WIRE		WIRE		1N4148		WIRE		WIRE		WIRE	Adjust Level AGC
D152	DIODE ZENER	UZ-5.1B	DUZ5R1B---		○		○		○		○		○		○	
D153		UZ-5.1B	DUZ5R1B---		○		○		○		○		○		○	
DL01	DIODE	1SS85TA	D1SS85TA--					○	○							
DL50		1SS85TA	D1SS85TA--						○							
DY02		1N4148	D1N4148---					○	○							
J020	WIRE COPPER	AWG22 1/0.65	85801065GY		○		○		○		○		○		○	
J032		AWG22 1/0.65	85801065GY						○							
J076		AWG22 1/0.65	85801065GY					○	○							
J077		AWG22 1/0.65	85801065GY					○	○							
J082		AWG22 1/0.65	85801065GY		○		○		○		○		○		○	
J095		AWG22 1/0.65	85801065GY		○		○		○		○		○		○	
J096		AWG22 1/0.65	85801065GY		○		○		○		○		○		○	
J100		AWG22 1/0.65	85801065GY		○		○		○		○		○		○	
J104		AWG22 1/0.65	85801065GY		○		○		○		○		○		○	
J117		AWG22 1/0.65	85801065GY	○		○		○		○		○		○		

LOC.	PART NAME	DESCRIPTION	S/N	UNITED KINDOM		CONTINENTAL		FRANCE		EAST EUROPE		MIDDLE EAST ASIA		AUSTRALIA		REMARK
				1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	
J158		AWG22 1/0.65	85801065GY	○		○		○		○		○		○		
J163		AWG22 1/0.65	85801065GY		○		○		○		○		○		○	
J169		AWG22 1/0.65	85801065GY						○							
J170		AWG22 1/0.65	85801065GY						○							
J177		AWG22 1/0.65	85801065GY		○		○		○		○		○		○	
J184		AWG22 1/0.65	85801065GY		○		○				○		○		○	
J192		AWG22 1/0.65	85801065GY		○		○		○		○		○		○	
J194		AWG22 1/0.65	85801065GY		○		○		○		○		○		○	
J195		AWG22 1/0.65	85801065GY		○		○		○		○		○		○	
J200		AWG22 1/0.65	85801065GY		○		○		○		○		○		○	
J201		AWG22 1/0.65	85801065GY	○		○		○		○		○		○		
J202		AWG22 1/0.65	85801065GY		○		○		○		○		○		○	
J209		AWG22 1/0.65	85801065GY					○	○							
J210		AWG22 1/0.65	85801065GY					○	○							
J215		AWG22 1/0.65	85801065GY						○							
J217		AWG22 1/0.65	85801065GY	○	○	○	○			○	○	○	○	○	○	
J220		AWG22 1/0.65	85801065GY		○		○		○		○		○		○	
J221		AWG22 1/0.65	85801065GY	○		○		○		○		○		○		
J229		AWG22 1/0.65	85801065GY		○		○		○		○		○		○	
J232		AWG22 1/0.65	85801065GY		○		○		○		○		○		○	
J236		AWG22 1/0.65	85801065GY	○	○	○	○			○	○	○	○	○	○	
J258		AWG22 1/0.65	85801065GY					○	○							
J263		AWG22 1/0.65	85801065GY					○	○							
J268		AWG22 1/0.65	85801065GY					○	○							
J270		AWG22 1/0.65	85801065GY		○		○		○		○		○		○	
J273		AWG22 1/0.65	85801065GY		○		○		○		○		○		○	
J274		AWG22 1/0.65	85801065GY		○		○		○		○		○		○	
J275		AWG22 1/0.65	85801065GY					○	○							

LOC.	PART NAME	DESCRIPTION	S/N	UNITED KINDOM		CONTINENTAL		FRANCE		EAST EUROPE		MIDDLE EAST ASIA		AUSTRALIA		REMARK
				1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	
J276		AWG22 1/0.65	85801065GY					○	○							
L152	COIL PEAKING	100uH(10.5MM)	5CPZ101K04		○		○		○		○		○		○	
L153		22uH F	5CPZ220K02		○		○		○		○		○		○	
L154		6.8uH F	5CP689K02		○		○		○		○		○		○	
L156		100uH(10.5MM)	5CPZ101K04		○		○		○		○		○		○	
LA60		100uH(10.5MM)	5CPZ101K04		○		○		○		○		○		○	
LL01		100uH(10.5MM)	5CPZ101K04					○	○							
LL20		100uH(10.5MM)	5CPZ101K04					○	○							
LL21		100uH(10.5MM)	5CPZ101K04					○	○							
LL50		100uH(10.5MM)	5CPZ101K04						○							
LP01		22uH F	5CPZ220K02		○		○		○		○		○		○	
LP02		5.6uH F	5CPZ569K02		○		○		○		○		○		○	
R151	R CARBON FILM	1/6 100 OHM	RD-AZ101J-		○		○		○		○		○		○	
R153		1/6 18K OHM	RD-AZ183J-						○							Adjust Level AGC
R155		1/6 680 OHM	RD-AZ681J-		○		○		○		○		○		○	
R158		1/6 75 OHM	RD-AZ750J-		○		○		○		○		○		○	
R159		1/6 82 OHM	RD-AZ820J-		○		○		○		○		○		○	
R163		1/6 330 OHM	RD-AZ331J-		○		○		○		○		○		○	
R166		1/6 270 OHM	RD-AZ271J-		○		○		○		○		○		○	
R170		1/6 7.5K OHM	RD-AZ752J-						○							
R172		1/6 22K OHM	RD-AZ223J-						○							
R173		1/6 22K OHM	RD-AZ223J-		○		○		○		○		○		○	
R733		1/6 4.7K OHM	RD-AZ472J-					○	○							
R734		1/6 4.7K OHM	RD-AZ472J-						○							
RA43		1/6 22K OHM	RD-AZ223J-		○		○		○		○		○		○	
RL09		1/6 22K OHM	RD-AZ223J-					○	○							
RL10		1/6 33K OHM	RD-AZ333J-					○	○							
RL20		1/6 1K OHM	RD-AZ102J-					○	○							

LOC.	PART NAME	DESCRIPTION	S/N	UNITED KINDOM		CONTINENTAL		FRANCE		EAST EUROPE		MIDDLE EAST ASIA		AUSTRALIA		REMARK
				1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	1Tuner	2Tuner	
RL21		1/6 1K OHM	RD-AZ102J-					○	○							
RL22		1/6 1K OHM	RD-AZ102J-					○	○							
RL23		1/6K 1K OHM	RD-AZ102J-					○	○							
RN50		1/6 18K OHM	RD-AZ183J-		○		○		○		○		○		○	
RN51		1/6 22K OHM	RD-AZ223J-		○		○		○		○		○		○	
RP02		1/6 1K OHM	RD-AZ102J-		○		○		○		○		○		○	
RP03		1/6 1K OHM	RD-AZ102J-		○		○		○		○		○		○	
PW01	CORD POWER	M5206+H03VVH2-F =2250	4859906111			○	○	○	○							
		CW3222/240V 5A + HOUS=2200	4859905110	○	○											
		KKP-419C KLCE - 2F [2.1ME]	4859901111							○	○	○	○			
		KKP-560A KLCE-2F 2600MM	4859904111											○	○	

THE DIFFERENT PARTS LIST FOR CRT OPTION

Loc.	PART NAME	DESCRIPTION	S/N	14" DOSA	14" CHUNGHWA	14" EKRANAS	REMARK
C418	C MYLAR	200V PU 0.65uF	CMYE2D624J			○	
		200V PU 0.68uF	CMYE2D684J	○	○		
L401	COIL H-LINEARIT	L-125(125uH)	58H0000018		○	○	
R416	R METAL FILM	2W 1K OHM J SMALL	RN02B102JS		○	○	
J020	WIRE COPPER	AWG22 1/0.65 TIN COATING	85801065GY	○			POWER PCB
C426	C MYLAR	1.3KV BUP 7000pF	CMYH3C702J	○			
		1.6KV BUP 7200pF	CMYH3C722J		○		
		1.6KV BUP 7500pF	CMYH3C752J			○	
R311	R METAL FILM	1/4 1.20K OHM F	RN-4Z1201F	○	○		
		1/4 1.50K OHM F	RN-4Z1501F			○	
R312	R METAL FILM	1/4 1.20K OHM F	RN-4Z1201F	○	○		
		1/4 1.50K OHM F	RN-4Z1501F			○	
R907	R FUSIBLE	1W 0.18K (TAPPING)	RF01Y188K-		○	○	
	R-M-OXIDE	1W 1.8 OHM J	RS01Z189J-	○			
V901	CRT	A34JLL90X01	4859607140	○			
		A34AGT14X71	4859609841		○		
		A33EK01X01	4859600040N			○	
SCT1	SOCKET CRT	PCS633A	4859303430	○	○		
		PCS629-03C	4859303530			○	
R827	R CARBON FILM	1/2 1K OHM J	RD-2Z102J-		○	○	
	WIRE COPPER	AWG22 V0.65 TIN COATING	85801065GY	○			
T801	TRANS SMPS	TSM-3541A7	50M7541A7-		○	○	
		TSM-3541A6	50M7541A6-	○			
I821	I.C	SE110N	1SE110N---		○	○	
		SE125N	1SE125N--	○			

THE DIFFERENT PARTS LIST FOR DECK OPTION

Loc.	PART NAME	DESCRIPTION	S/N	PAL 2 HEAD S/N:4851942300 (DRP-9200N)	PAL 4 HEAD S/N:4851930900 (DRP-9400N)	SECAM 4HEAD S/N:4851931000 (DRS-9400N)	REMARK
RN03	R CARBON FILM	1/6 2.2K OHM	RD-AZ222J-	○			
		1/6 5.6K OHM	RD-AZ562J-		○		
		1/6 8.2K OHM	RD-AZ8222J-			○	
RY02	CONN WAFER	GF120-04S-TS	4859292220	○			
		GF120-07S-TS	4859292320		○	○	
CCY55	C CHIP CERA	50V CH 30pF	HCQK300JCA		○	○	
CCY56		50V CH 30pF	HCQK300JCA		○	○	
CCY57		50V CH 51pF	HCQK510JCA		○	○	
RCY51	R HIP	1/10 510 OHM	HRFT511JCA		○	○	
RCY57		1/10 47K OHM	HRFT473JCA		○	○	
RCY58		1/10 47K OHM	HRFT473JCA		○	○	
QY50	TR	KTC3198Y	TKTC3198Y-		○	○	

THE DIFFERENT PARTS LIST FOR REMOTE CONTROL OPTION

Loc.	PART NAME	DESCRIPTION	S/N	4HEAD W/T,SV(V+)	2HEAD W/T,SV(V+)	REMARK
ZZ100	TRANSMITT	R-46C16	48B4446C16	○		With SLOW KEY
ZZ100	TRANSMITT	R-46C19	48B4446C19		○	Without SLOW KEY

DAEWOO

DAEWOO ELECTRONICS CO., LTD

686, AHYEON-DONG MAPO-GU
SEOUL, KOREA
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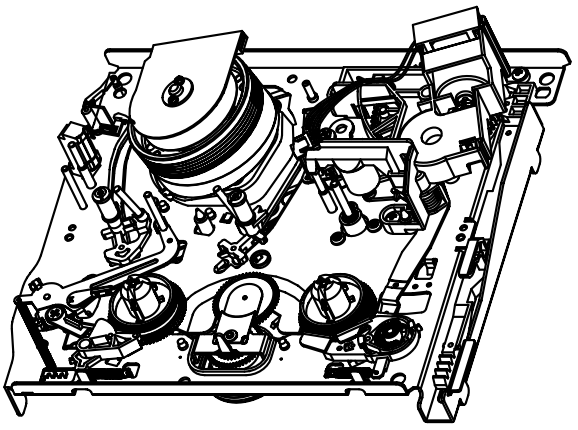
FAX : 82-2-360-7877

DAEWOO

Service Manual

VCR MECHANISM UNIT

(K30 MECHA DECK)



DAEWOO ELECTRONICS CO., LTD.

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Feb 1999

CONTENTS

1. MECHANISM DESCRIPTION 2
2. ASSEMBLY DIAGRAM & MAJOR PARTS CHECK 5
3. DISASSEMBLY AND REPLACEMENT 12
4. MECHANICAL ADJUSTMENT.....22
5. ADJUSTMENT OF TAPE TRANSPORTING SYSTEM 27
6. EXPLODED VIEW AND PARTS LIST.....37

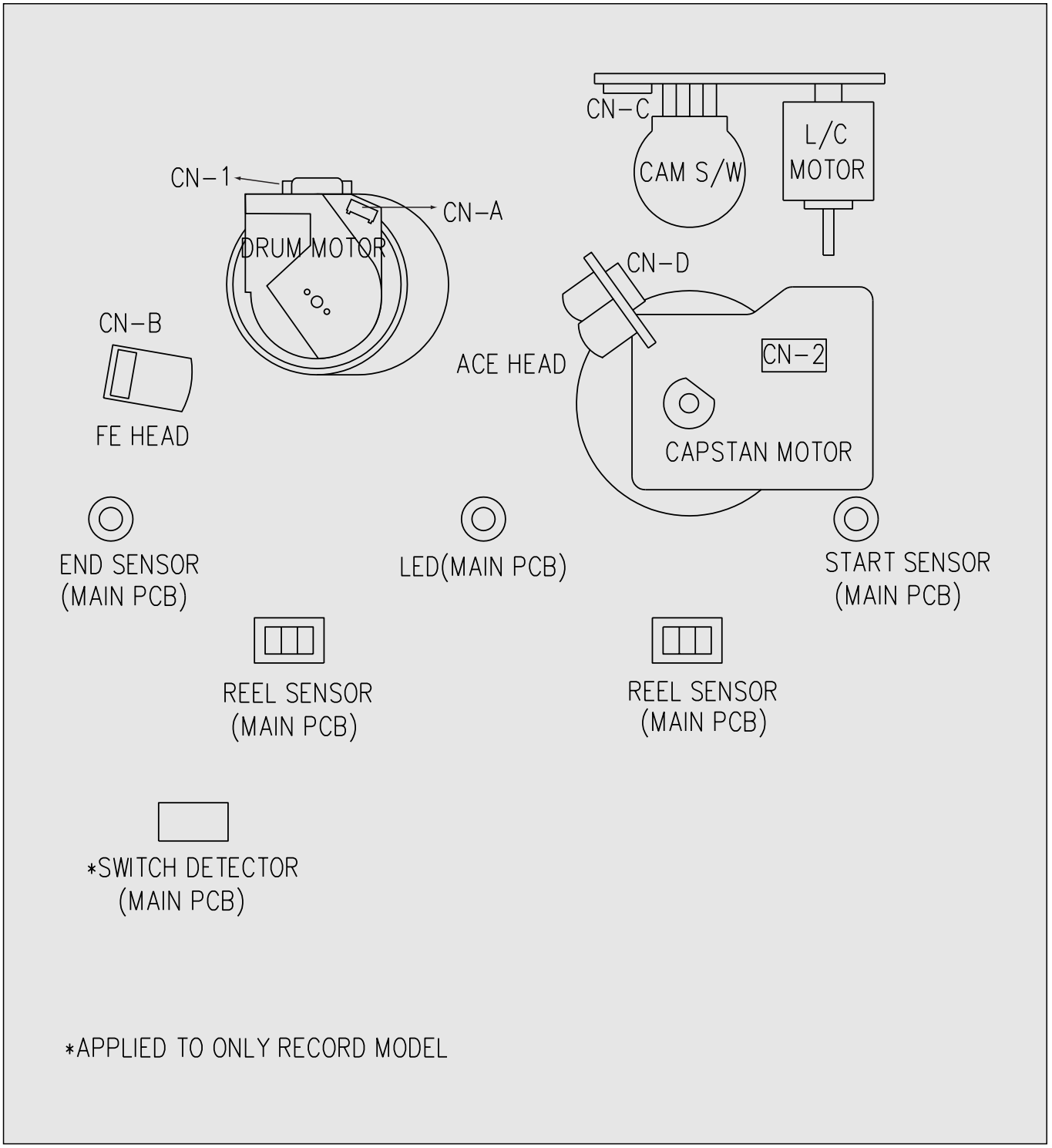
1. DESCRIPTION OF THE MECHANISM

1-1 CHARACTERISTIC OF THE K30-DECK MECHANISM

1) K30-MECHA DECK follows the VHS standard.
2) K30-MECHA DECK uses three motors (DRUM MOTOR, CAPSTAN MOTOR and L/C MOTOR)
3) K30-MECHA DECK uses L/C MOTOR to drive FRONT LOADING.
4) K30-MECHA DECK recognizes each mode by using a 4-BIT MODE signal. This 4-BIT MODE signal is generated by the CAM SWITCH which is driven by the L/C MOTOR.
5) K30-MECHA DECK is operated by 7 MODES (EJECT/INITIAL/REV/IDLE/PLAY, STOP, SLOW/BRAKE/FF & REW).
6) K30-MECHA DECK reduces the mode shifting time, that is, picture playing time by using the FULL LOADING SYSTEM that has the DRUM wrapped by the tape.
7) K30-MECHA DECK is seperated from the Main PCB. When assembling, it is connected by B-B TYPE CONNECTOR.
   The CAPSTAN MOTOR and DRUM OUTPUT of K30-MECHA DECK and the MAIN PCB DECK are directly connected without using cable.

1-2 WIRE DIAGRAM

1-2-1) WIRE DIAGRAM



1-2-2) CONNECTOR PIN ARRANGEMENT

CN-1 (2 HEAD MONO)

1	SP-L
2	COMMON
3	SP-R
4	GND

CN-A

1	GND
2	DRUM SPD CTL
3	Vcc
4	DRUM FG
5	DRUM PG
6	NON CONNECT
7	NON CONNECT

CN-B

1	FE HEAD
2	GND

CN-1 (4 HEAD MONO)

1	SP-L
2	COMMON
3	SP-R
4	GND
5	EP-R
6	COMMON
7	EP-L

CN-C

1	L/C MT (+)
2	L/C MT (–)
3	GND
4	CAM D
5	CAM C
6	CAM B
7	CAM A

CN-2

1	EVER 5V
2	CAPSTAN F/R
3	CAPSTAN FG
4	CTL-REF
5	CTL
6	I-LIMIT
7	CAPSTAN M/T 12V/18V
8	GND
9	IC GND
10	NON CONTACT

❇ Capstan M/T Voltage of No.7 is 12V for normal model and 18V for HI-REW model.

CN-1 (4 HEAD HI-FI)

1	A-L
2	COMMON
3	A-R
4	SP-L
5	COMMON
6	SP-R
7	GND
8	EP-R
9	COMMON
10	EP-L

CN-D

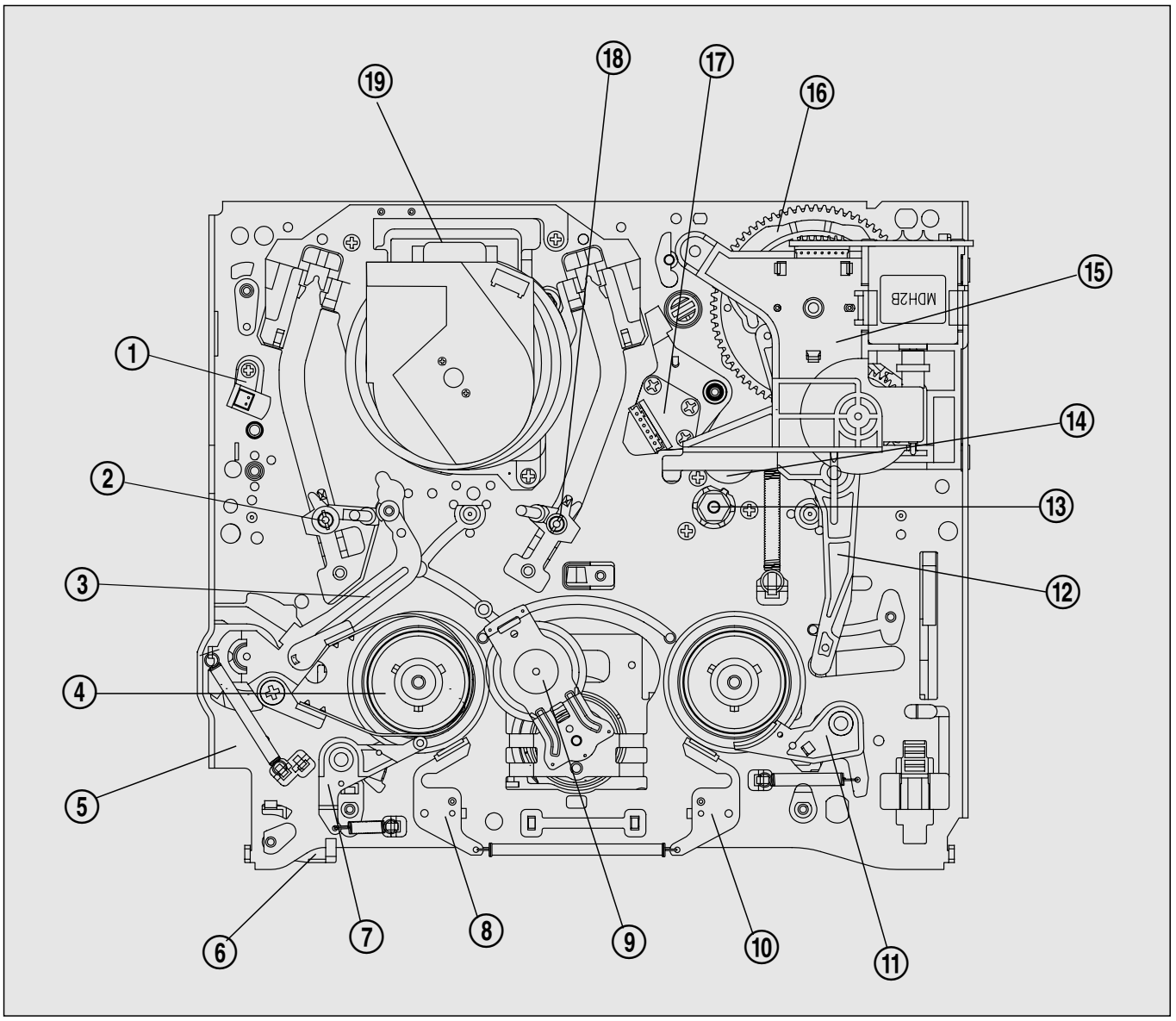
1	CTL
2	CTL
3	AUDIO
4	AUDIO
5	ERASE
6	GND

2. ASSEMBLY DIAGRAM & MAJOR PARTS CHECK

2-1. ASSEMBLING DIAGRAM

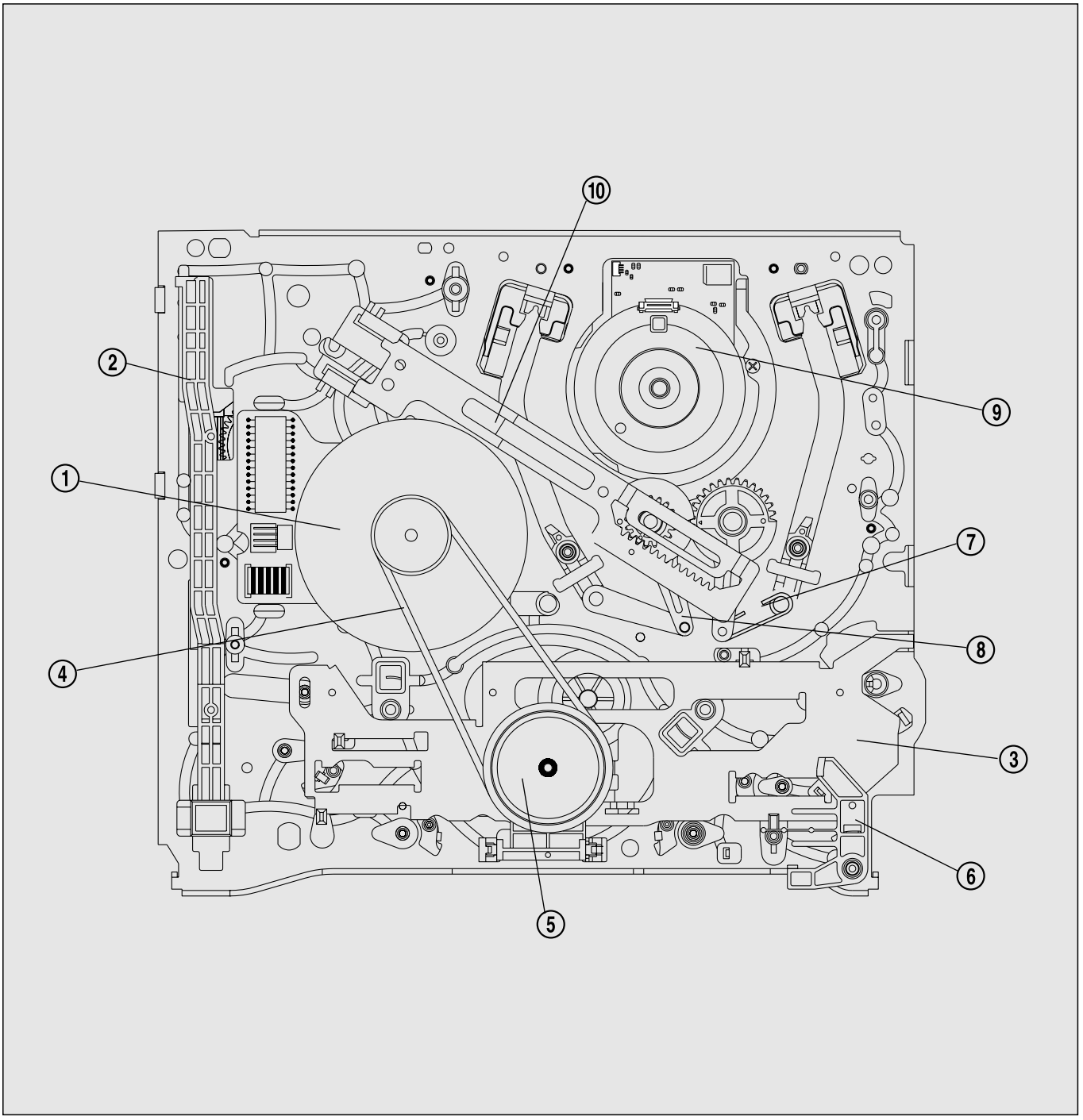
2-1-1) ASSEMBLING DIAGRAM OF DECK ASS'Y

A. TOP VIEW



1. FE HEAD
2. S SLANT POLE ASS'Y
3. TENSION BAND ASS'Y
4. REEL TABLE
5. MAIN BASE ASS'Y
6. RECORD SAFETY LEVER
7. S SUB BRAKE ASS'Y
8. S MAIN BRAKE ASS'Y
9. IDLER PLATE TOTAL ASS'Y
10. T MAIN BRAKE ASS'Y
11. T-SUB BRAKE ASS'Y
12. RELAY LEVER
13. CAPSTAN MOTOR
14. PINCH LEVER TOTAL ASS'Y
15. L/C BRKT TOTAL ASS'Y
16. CAM GEAR
17. A/C HEAD TOTAL ASS'Y
18. T SLANT POLE ASS'Y
19. DRUM TOTAL ASS'Y

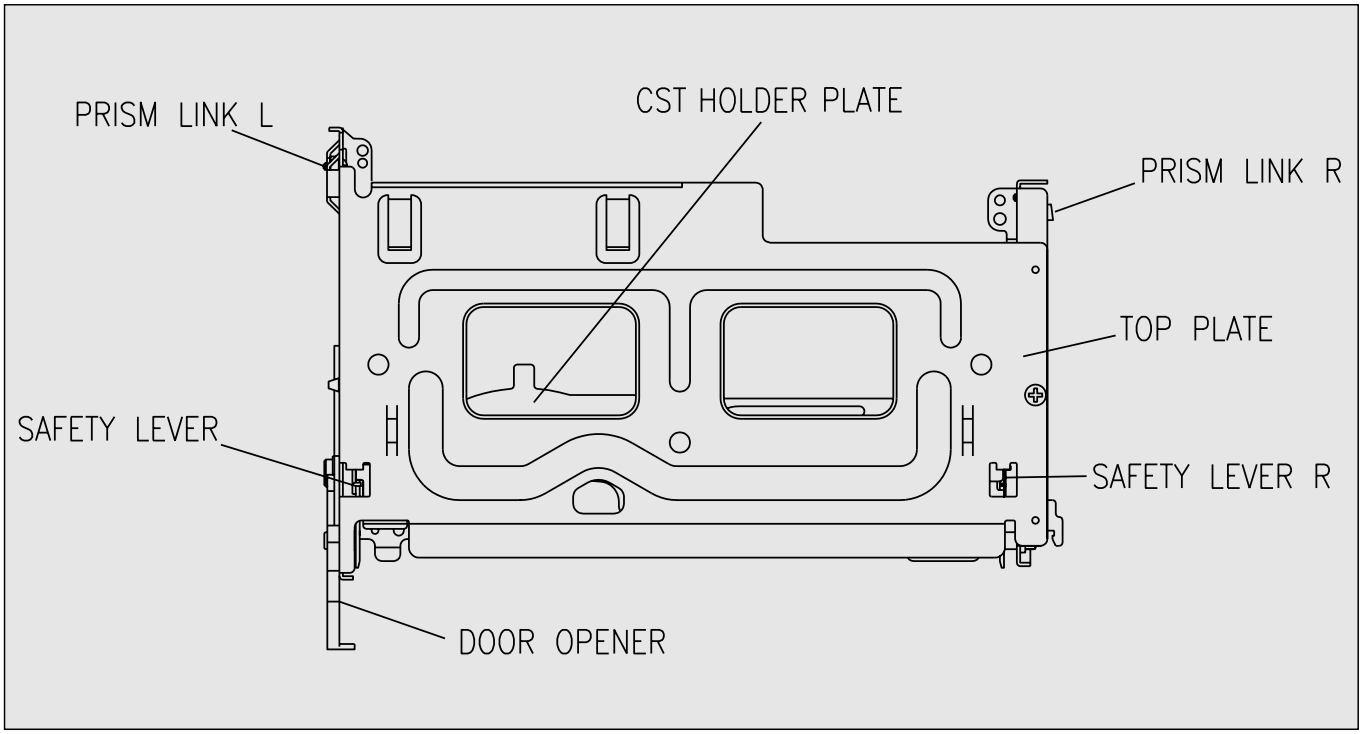
B. BOTTOM VIEW



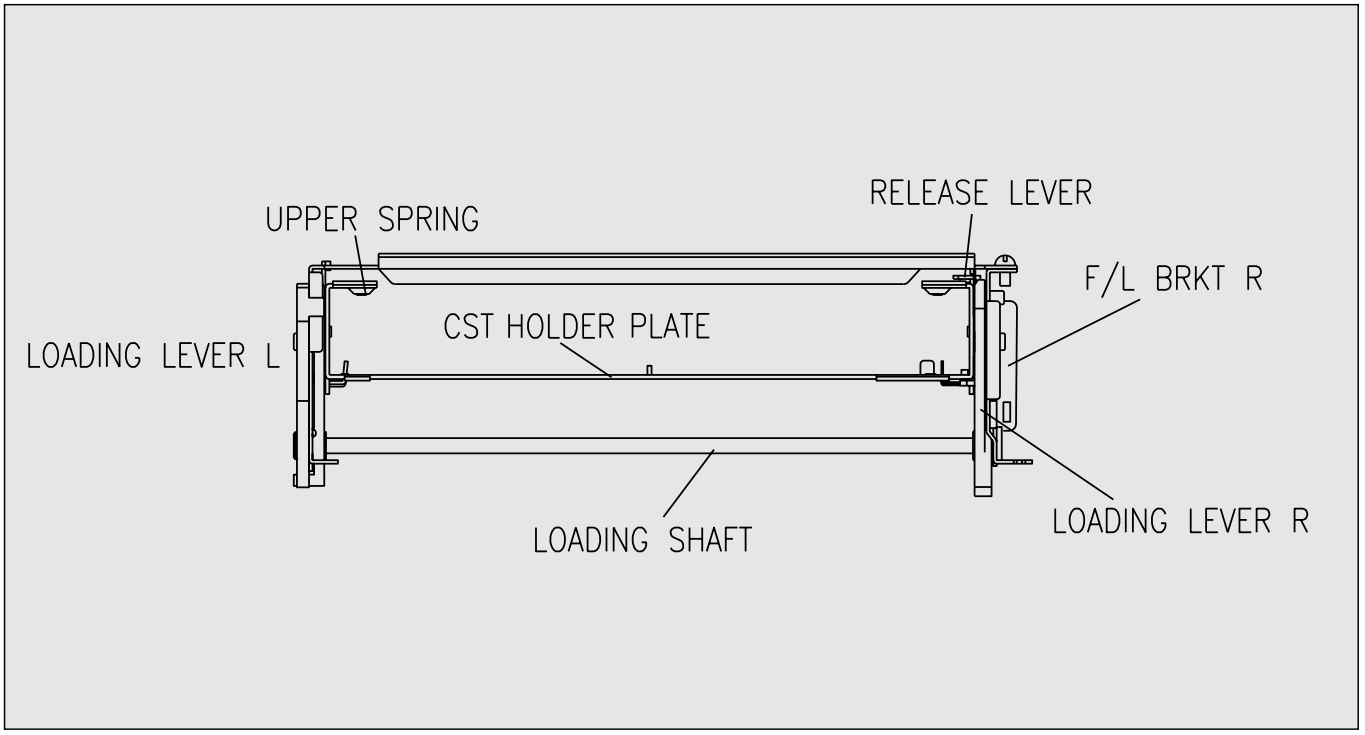
1. CAPSTAN MOTOR
2. F/L RACK
3. CONNECT PLATE
4. REEL BELT
5. REEL GEAR TOTAL ASS'Y
6. RECORD SAFETY LEVER
7. L LOADING ASS'Y
8. R LOADING ASS'Y
9. DRUM TOTAL ASS'Y
10. LOADING RACK ASS'Y

2-1-2) PARTS LOCATION OF FRONT LOADING ASS'Y

A. TOP VIEW



B. FRONT VIEW



2-2. PERIODIC MAINTENANCE AND SERVICE SCHEDULE

2-2-1) PERIODIC MAINTENANCE AND SERVICE SCHEDULE

A. In order to effectively maintain the excellent performance and fully utilize the features of this apparatus, and to lengthen the life of the mechanism and tapes, we strongly urge you to perform periodic maintenance and inspection, as described below.

※ After repairing, do the maintenance described below, irrespective of the length of time in use.

B. Cleaning of the Head Drum Ass'y

— Clean the Drum assembly with a cleaning cloth soaked in liquid cleaner (alcohol) by placing lightly against the Drum and slowly revolving the rotating HEAD DRUM Ass'y by hand (Do not rotate the upper Drum by applying electric power to the motor when cleaning).

— Do not move the cleaning cloth in the vertical direction against the heat-tip.

C. Cleaning the tape transporting section.

— Clean the tape transporting parts with a cleaning cloth soaked in alcohol.

D. Cleaning of driving section

— Clean the driving section with a cloth soaked in alcohol.

E. Routine inspection

— Perform maintenance and inspection as separately described depending on the period of time in use.

— Refer to the table of 2-2-3.

2-2-2) CLEANING AND LUBRICATION

A. Cleaning of Tape Transporting section and Driving section

a. Cleaning of Tape Transporting section

— The following parts should be cleaned after every 500 hours of use.

- TENSION POLE
- S SLANT POLE
- AC HEAD/AE HEAD
- S GUIDE POST
- VIDEO HEAD/DRUM
- T GUIDE POST
- FE HEAD
- T SLANT POLE
- CAPSTAN SHAFT
- S GUIDE ROLLER
- T GUIDE ROLLER
- PINCH ROLLER
- VERTICAL POST

— As the above parts contact with the video tape, they tend to collect dust particles. If they are stained with dust or foreign substance it has a bad effect on the picture and may lead to damage of the tape.

— After cleaning with alcohol, allow the parts to dry thoroughly before using a cassette tape.

b. Cleaning of Driving section

- REEL TABLE
- CAPSTAN FLYWHEEL/PULLEY
- REEL PULLEY

B. LUBRICATION

- S REEL POST
- T REEL TABLE POST
- REEL GEAR POST

— After cleaning these parts with alcohol, lubricate these with one or two drops of oil.

2-2-3) SERVICE SCHEDULE FOR THE MAJOR PARTS

The following parts should receive periodic service, according to the recommended intervals.

NAME	PERIODIC SERVICE (TIME)				
	1000	2000	3000	4000	5000
DRUM TOTAL ASS'Y	i	i	i	i	i
CAPSTAN MOTOR		i		◎	
L/C BRKT TOTAL ASS'Y		◎		◎	
REEL BELT		◎		◎	
IDLER PLATE TOTAL ASS'Y		◎		◎	
REEL TABLE			◎		
T SUB BRAKE ASS'Y		◎		◎	
TENSION BAND ASS'Y		◎		◎	
S MAIN BRAKE ASS'Y		◎		◎	
T MAIN BRAKE ASS'Y		◎		◎	
PINCH ROLLER ASS'Y		★	◎	★	
AC HEAD ASS'Y			◎		
FE HEAD					◎
REEL GEAR TOTAL ASS'Y		◎		◎	

★: Check and Replace if necessary. ◎: Replace

Note: Even though the unit is not used frequently, cleaning, lubrication and replacement of the belt should be undertaken every 2 years.

2-3. JIGS AND TOOLS

2-3-1) LIST OF JIGS AND TOOLS

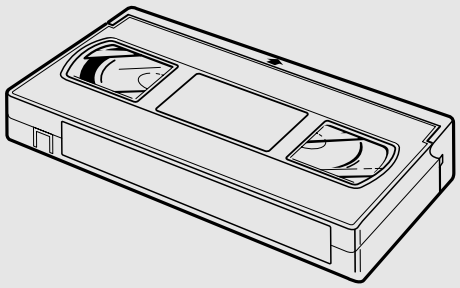
NO	ITEMS	MODEL	FIG. NO	REMARKS
1	ALIGNMENT TAPE	NTSC: SP MONOSCOPE 7KHz SP COLORBAR 1KHz (EP MONOSCOPE) PAL/SCAM: SP MONOSCOPE 6KHz SP COLORBAR 1KHz (LP MONOSCOPE)	①	CHECKING OF THE TAPE TRANSPORTING SYSTEM
2	CLEANING TAPE (DAEWOO)	DHC-602V	②	CHECKING OF THE TAPE TRANSPORTING SYSTEM
3	CASSETTE TAPE (KOKUSAI)	KT-300NV KT-300RV	③	MEASUREMENT OF REEL TORQUE
4	VHS SPINDLE HEIGHT GAUGE	TSH-V4	④	MEASUREMENT OF REEL HEIGHT
5	TENTELO METER (TENTELO)	T2-H7-UM	⑤	MEASUREMENT OF THE BACK TENSION
6	FAN TYPE TENSION METER	BELOW 3KG	⑥	MEASUREMENT OF THE PRESSING FORCE FOR THE PINCH ROLLER
7	DENTAL MIRROR		⑦	CHECKING OF THE TAPE TRANSPORTING SYSTEM
8	+DRIVER		⑧-1	ASSEMBLY, DISASSEMBLY AND ADJUSTMENT
	HEX DRIVER		⑧-2	
	ADJUSTMENT DR IVER		⑧-3	

2-3-2) SKETCH OF JIGS AND TOOLS

①

②

③



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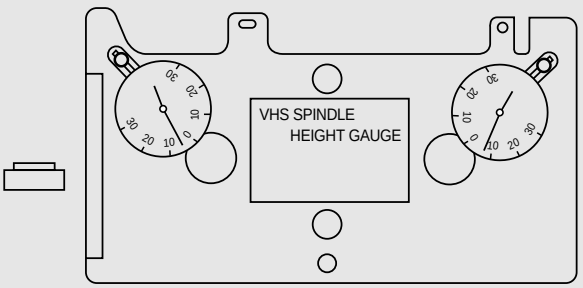

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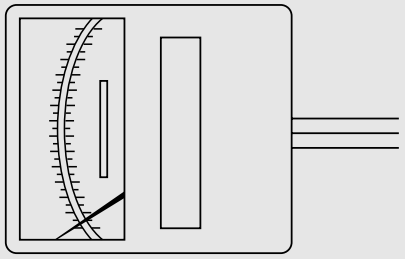

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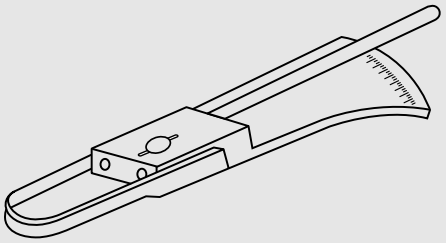

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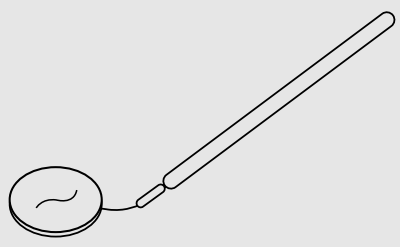

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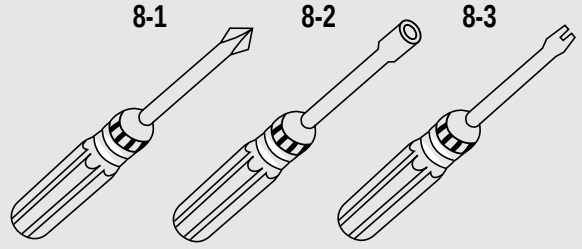


3. DISASSEMBLY AND REPLACEMENT

3-1. FRONT LOADING ASS'Y REMOVAL (See Fig. 3-1)

NOTE:
The FRONT LOADING ASSEMBLY can be removed only in the eject position.

a. Remove 2 screws ① fixing THE FRONT LOADING ASS'Y.

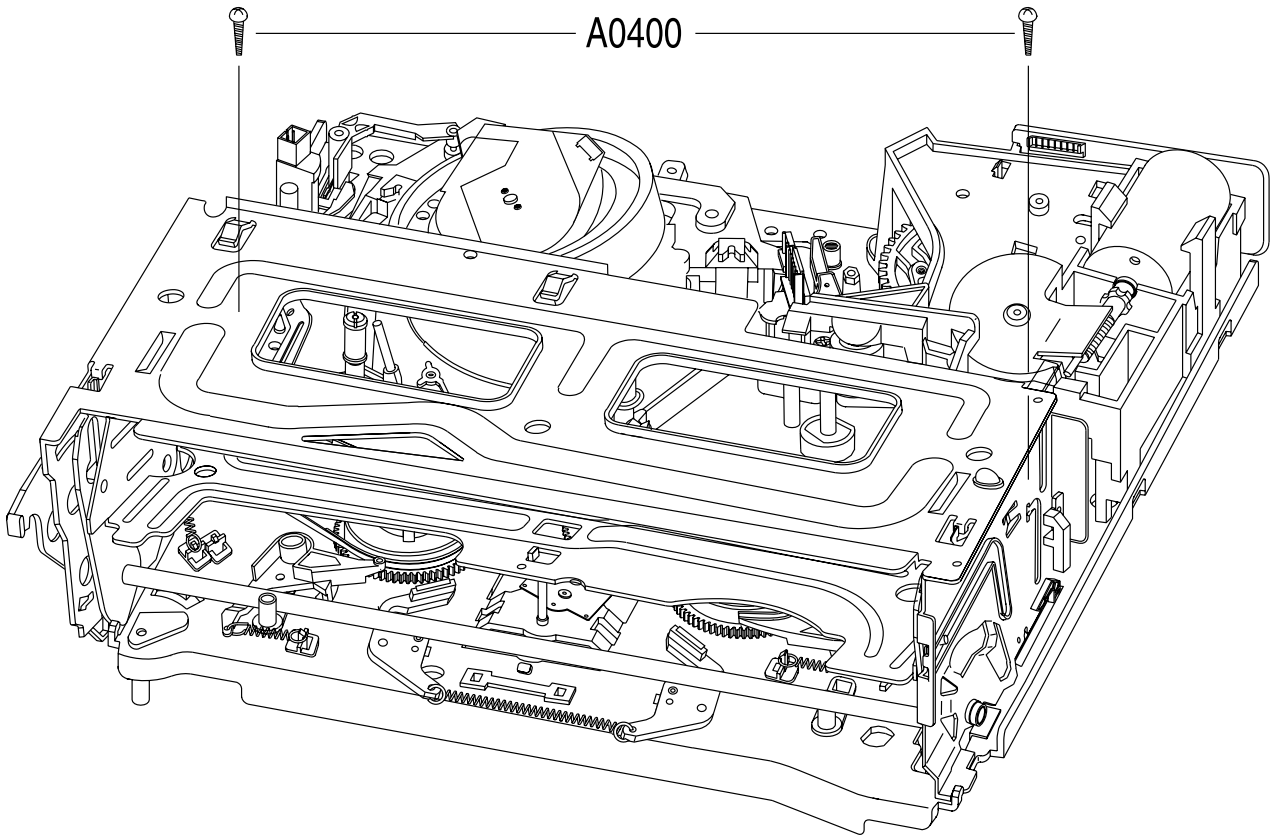


Fig.3-1 FRONT LOADING ASS'Y SEPARATION

3-2. DISASSEMBLY OF THE FRONT LOADING ASS'Y (See Fig. 3-2~3-6)

a. Remove one screw holding the F/L BRACKET R and move the F/L BRACKET R in the direction of arrow to separate it from the TOP PLATE and CASSETTE HOLDER ASSEMBLY.
b. Remove the CASSETTE HOLDER ASSEMBLY. (Fig. 3-2)

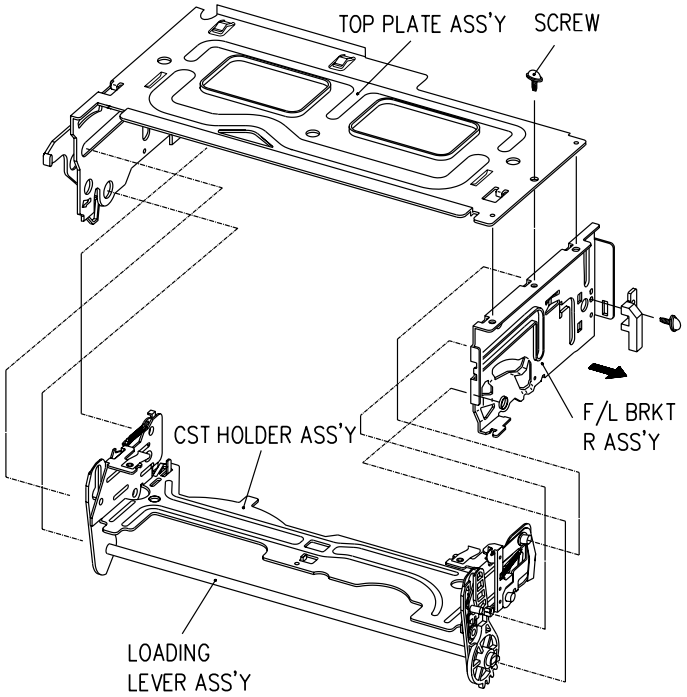


Fig.3-2 DISASSEMBLY OF THE FRONT LOADING ASS'Y

c. Remove one screw holding the PRISM LINK R and remove the PRISM LINK R from the F/L BRACKET R. (Fig. 3-3)

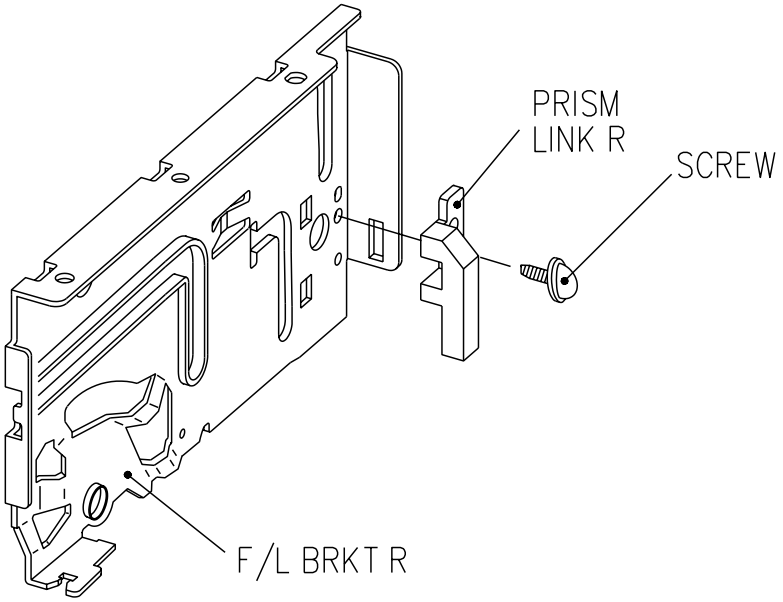


Fig.3-3 DISASSEMBLY OF THE F/L BRKT R

d. Remove one screw holding the PRISM LINK L. (Fig. 3-4)
e. Release the hook B by pushing it in the direction of the arrow and remove the DOOR OPENER. (Fig. 3-4)

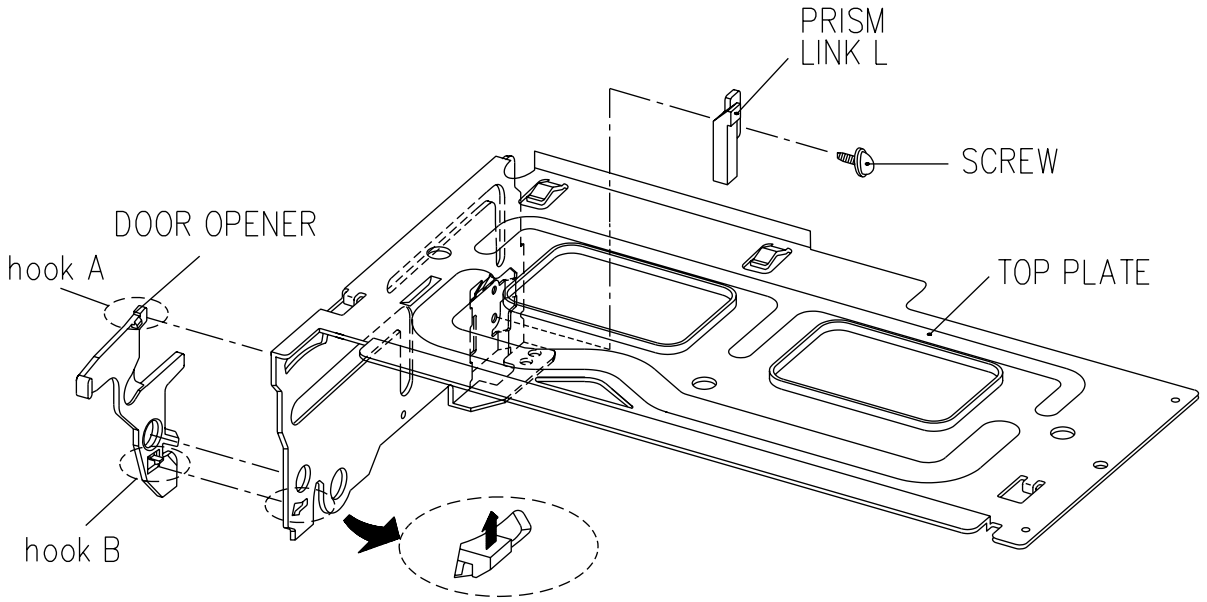


Fig. 3-4 DISASSEMBLY OF THE TOP PLATE

f. Remove the LOADING LEVER ASSEMBLY by pressing the connected section of the loading lever assembly in the directions of the arrows. (Fig. 3-5)
g. Remove the SAFETY SPRING between the SAFETY LEVER and the CASSETTE HOLDER PLATE. (Fig. 3-5)
h. Remove the RELEASE SPRING between the RELEASE LEVER and the SAFETY LEVER R. (Fig. 3-5)

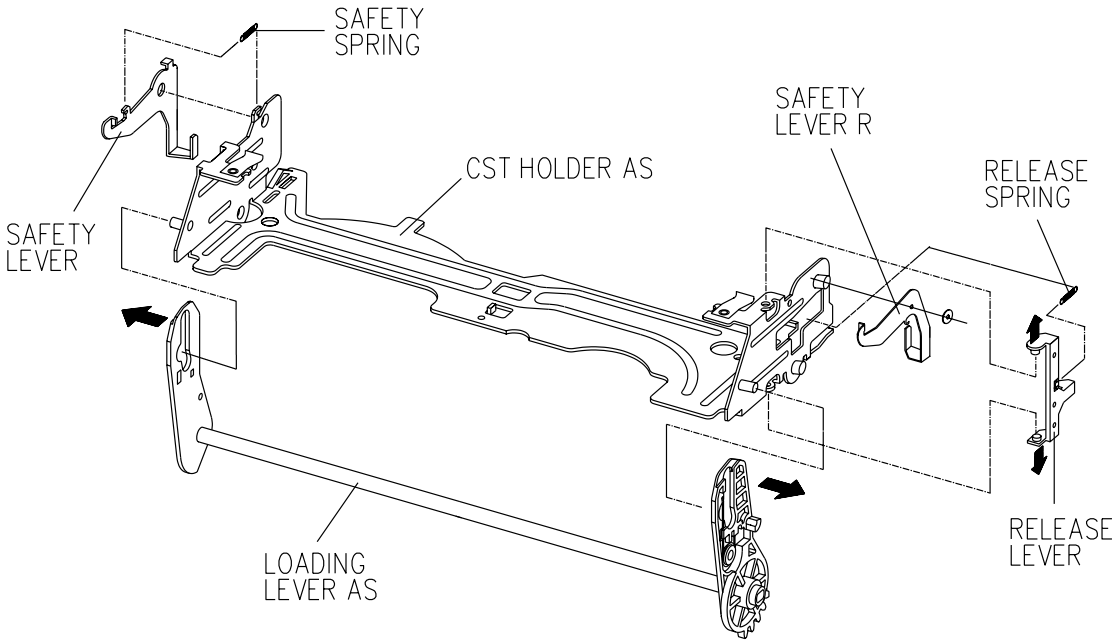


Fig.3-5 DISASSEMBLY OF THE CASSETTE HOLDER ASS'Y

NOTE:
Reassemble the FRONT LOADING MECHANISM in the reverse order. Confirm that the two bosses on the left side of the CASSETTE HOLDER AS are inserted into the groove on the left side of the top plate. Insert the two bosses on the right side of the cassette holder into the groove of the F/L BRAKCET R (Fig. 3-6)

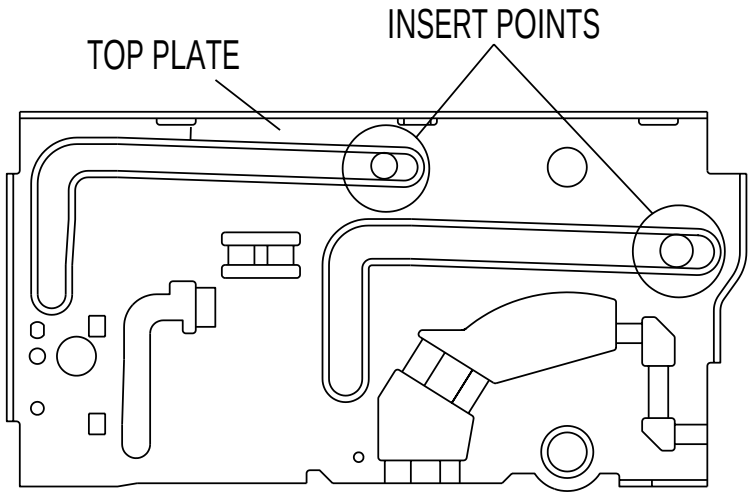


Fig.3-6 ASSEMBLY OF THE F/L ASS'Y

3-3. DRUM ASS'Y/EARTH BRACKET ASS'Y REMOVAL (See Fig.3-7)

a. Remove three screws ① fixing the DRUM TOTAL ASSEMBLY.
b. Carefully lift the DRUM TOTAL ASSEMBLY ② from the DECK MECHANISM, taking care not to damage or touch the VIDEO HEAD.

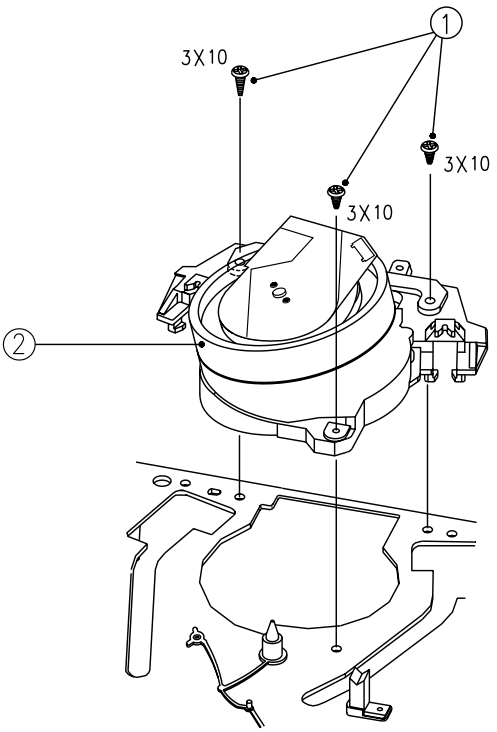


Fig.3-7 DRUM TOTAL ASS'Y & EARTH BRKT ASS'Y REMOVAL

NOTE:
- After assembling the DRUM TOTAL ASSEMBLY, confirm that the TAPE runs smooth and refer to chapter 5 "ADJUSTMENT OF THE TAPE TRANSPORTING SYSTEM".
- When assembling the EARTH BRACKET ASSEMBLY, a 3x12 screw should be used and at the other parts, 3x10 screws should be used.

3-4. REEL BELT, LOADING RACK ASS'Y, LOADING ASS'Y, S/T SLANT POLE ASS'Y REMOVAL (See Fig.3-8)

a. Turn over the DECK MECHANISM and remove the REEL BELT ①.
b. Remove one POLY WASHER ②.
c. Remove the LOADING RACK ASS'Y ③.
d. Remove R & L LOADING ASS'YS ④ and ⑤.
e. Remove the S and T SLANT POLES ⑥ and ⑦ by pulling them in the directions of the arrows.

CAUTION:
- Take care not to get the GUIDE ROLLERS of the S/T SLANT POLES stained with GREASE
- When reassembling, refer to Fig. 3-9

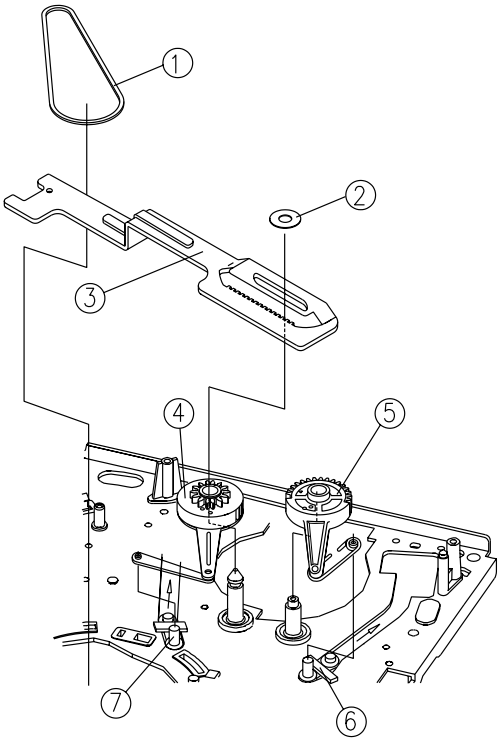


Fig.3-8 REEL BELT, LOADING RACK ASS'Y, R & L LOADING ASS'YS, S/T SLANT POLE ASS'Y REMOVAL

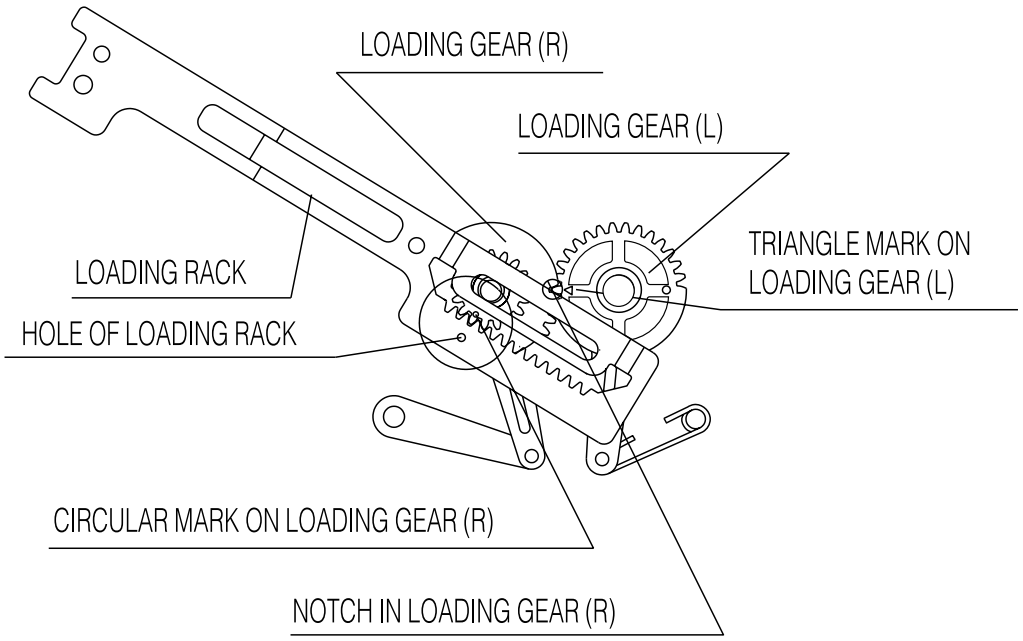

LOADING GEAR (R)
LOADING GEAR (L)
TRIANGLE MARK ON LOADING GEAR (L)
LOADING RACK
HOLE OF LOADING RACK
CIRCULAR MARK ON LOADING GEAR (R)
NOTCH IN LOADING GEAR (R)

Fig.3-9 ASSEMBLY OF the R,L LOADING ASS'Y & LOADING RACK ASS'Y

3-5. A/C HEAD ASS'Y REMOVAL (See Fig.3-10)

a. Remove one nut hex ① from the A/C HEAD POST ④ of the MAINBASE.
b. Remove the A/C HEAD ASSEMBLY ② from the MAINBASE.
c. Remove the A/C HEAD SPRING ③ from the A/C HEAD ASSEMBLY ②.

NOTE:
- After reassembling, adjust the TAPE TRANSPORTING SYSTEM refering to chapter 5 "ADJUSTMENT OF THE TAPE TRANSPORTING SYSTEM".
- After adjusting the TAPE TRANSPORTING SYSTEM, spread the A/C HEAD/NUT, AZIMUTH SCREW, and TILT SCREW with LOCKING PAINT.

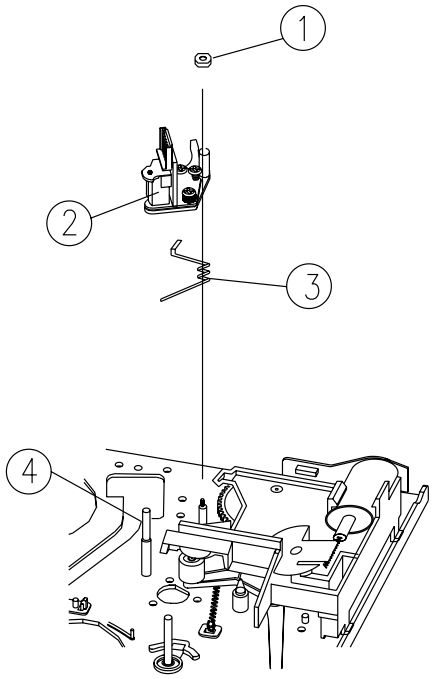


Fig.3-10 DISASSEMBLY OF THE AC HEAD ASS'Y

3-6. L/C BRACKET ASS'Y REMOVAL (See Fig.3-11)

a. Remove one screw ① from the L/C BRACKET ASSEMBLY ②.
b. Remove the L/C BRACKET ASSEMBLY ② from the MAINBASE.

3-7. PINCH LEVER TOTAL ASS'Y REMOVAL (See Fig.3-11)

a. Remove one POLY WASHER ③ from the PINCH LEVER POST of the MAINBASE.
b. Unhook the PINCH LEVER SPRING ④ from the hook of MAINBASE ⑤ and remove the PINCH LEVER TOTAL ASSEMBLY ⑨.

CAUTION:
Take care not to coat GREASE, OIL or other substances on the surface of the PINCH ROLLER ⑩.

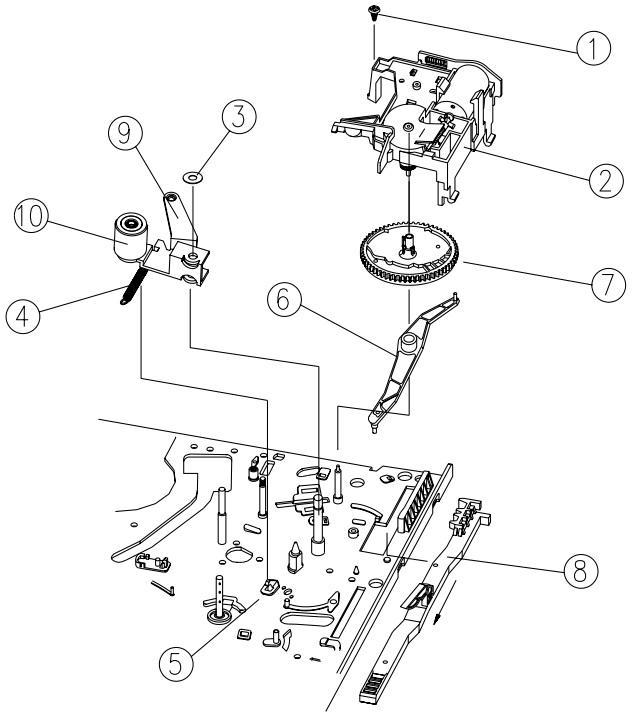


Fig.3-11 L/C BRKT, PINCH LEVER, CAM GEAR, RELAY LEVER, F/L RACK REMOVAL

3-8. CAM GEAR, RELAY LEVER AND F/L RACK REMOVAL (See Fig.3-11)

a. Remove the CAM GEAR ⑦ from the MAINBASE. (Fig.3-11)
b. Remove the RELAY LEVER ⑥ from the MAINBASE. (Fig. 3-11)
c. Remove the F/L RACK ⑧ from the MAINBASE by pulling it in the direction of the arrow.

NOTE:
When reassembling, refer to Fig. 3-12, 13.

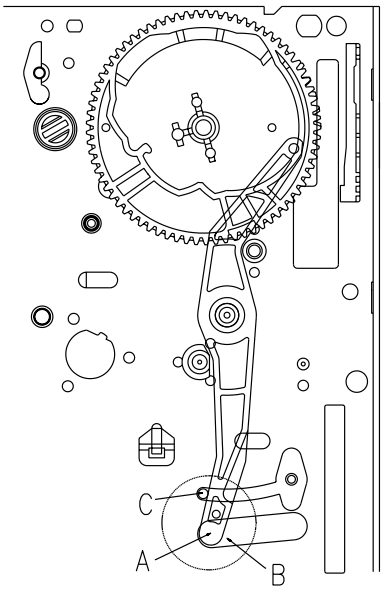


Fig.3-12 ASSEMBLY OF THE CAM GEAR & RELAY LEVER

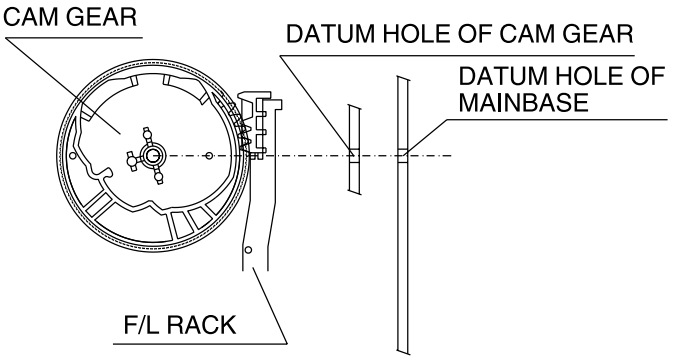


Fig.3-13 ASSEMBLY OF THE CAM GEAR & F/L RACK

3-9. S/T MAIN & SUB BRAKE ASS'Y REMOVAL (See Fig.3-14)

a. Remove the S, T MAIN BRAKE Assembly from the MAIN VASE ⑧.
b. Unhook the S SUB BRAKE SPRING ④ from the MAINBASE and remove the S SUB BRAKE LEVER ASSEMBLY ⑤ from the MAIN BASE ⑧.
c. Unhook the T SUB BRAKE SPRING ⑥ from the MAINBASE and remove the T SUB BRAKE LEVER ASSEMBLY ⑦.

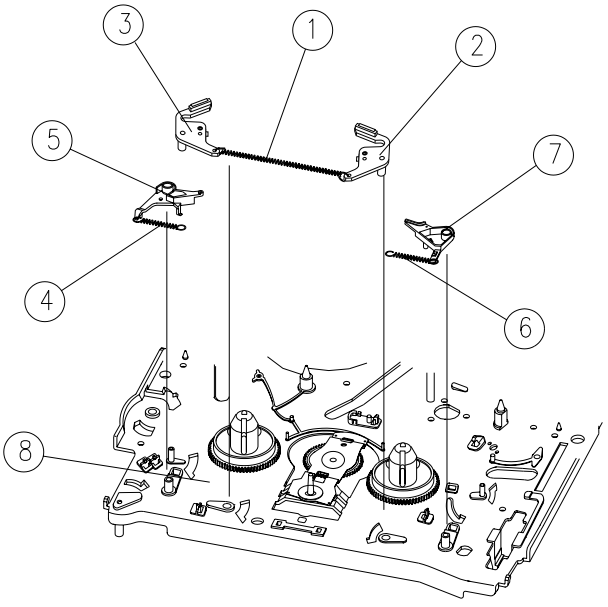


Fig.3-14 S/T MAIN & SUB BRAKES REMOVAL

3-10. TENSION BAND ASS'Y REMOVAL (See Fig.3-15, 3-16)

a. Remove the TENSION SPRING ② from the MAINBASE ①. (Fig.3-15)
b. Turn the DECK MECHANISM over. (Fig.3-16)
c. After separating the tab of hook 'A', remove the TENSION BAND ASSEMBLY ③. (Fig.3-16)

NOTE:

- After assembling the TENSION BAND ASSEMBLY on the MAINBASE, adjust the position of TENSION POLE as shown Fig. 3-17.
- Avoid getting GREASE, OIL or foreign substance on the FELT of the BAND BRAKE.
- Take care not to deform tab 'A' when separating it .

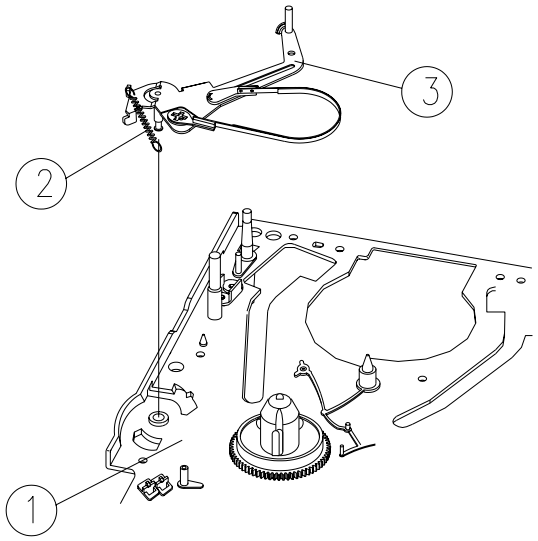


Fig.3-15 TENSION BAND ASS'Y REMOVAL (I)

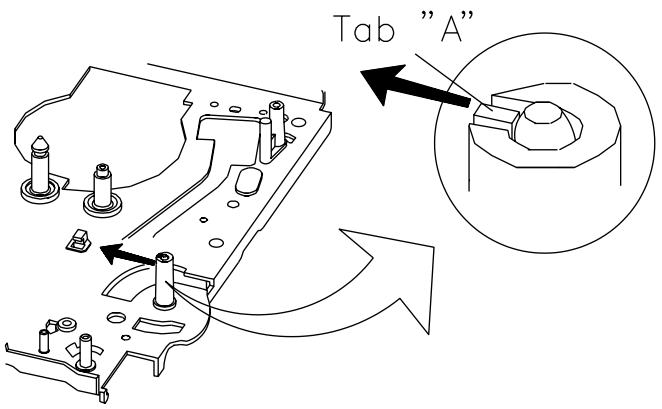


Fig.3-16 TENSION BAND ASS'Y REMOVAL (II)

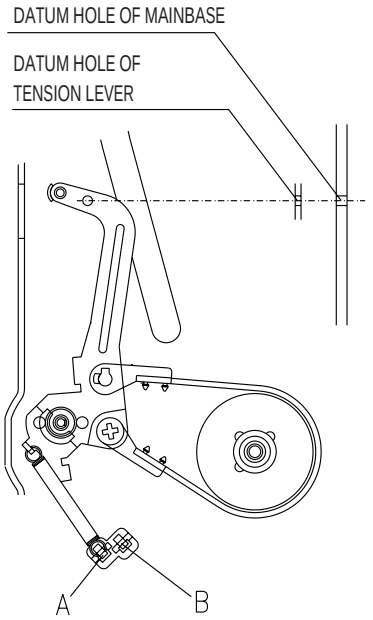


Fig.3-17 ADJUSTMENT OF THE TENSION POLE POSITION

3-11. CAPSTAN MOTOR REMOVAL (See Fig.3-18)

Remove 3 screws fixing the CAPSTAN MOTOR and separate the CAPSTAN MOTOR.

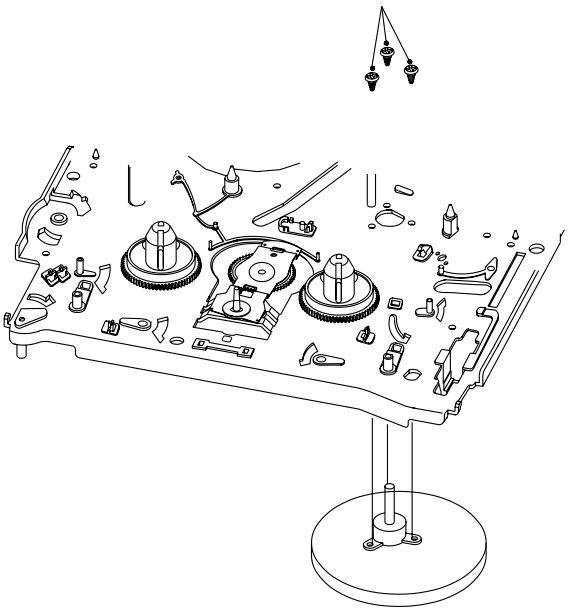


Fig.3-18 CAPSTAN MOTOR REMOVAL

3-12. IDLER PLATE TOTAL ASS'Y & S/T REEL TABLE REMOVAL (See Fig.3-19)

a. Remove one POLY WASHER ① from the REEL GEAR POST ② and remove the IDLER PLATE TOTAL ASSEMBLY ③ from the MAIN BASE.
b. Remove the S/T REEL TABLES ④ and two POLY SLIDERS ⑤ from the DECK MECHANISM.

CAUTION:
- When disassembling or assembling the IDLER PLATE TOTAL ASSEMBLY, take care not to bend it.

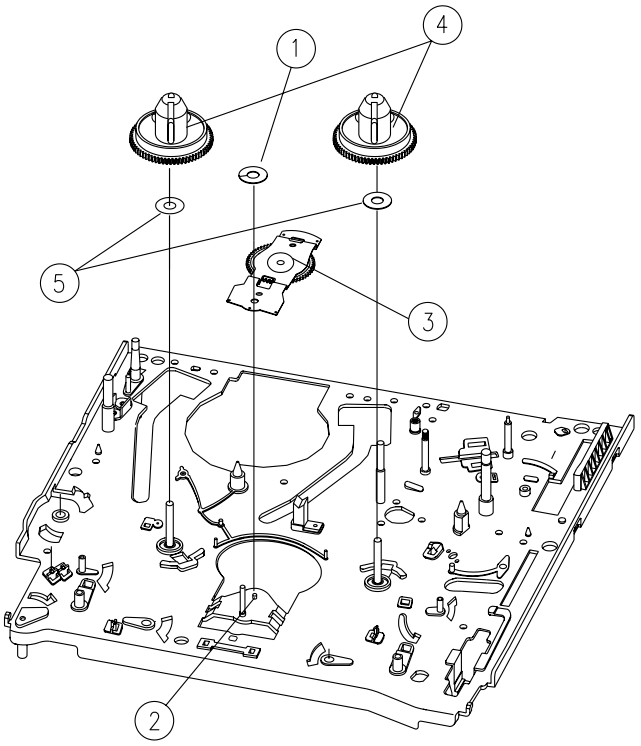


Fig.3-19 IDLER PLATE TOTAL ASS'Y & S/T REEL TABLES REMOVAL

3-13. FE HEAD REMOVAL (See Fig.3-20)

Remove one screw ① fixing the FE HEAD and remove the FE HEAD ② from the MAINBASE.

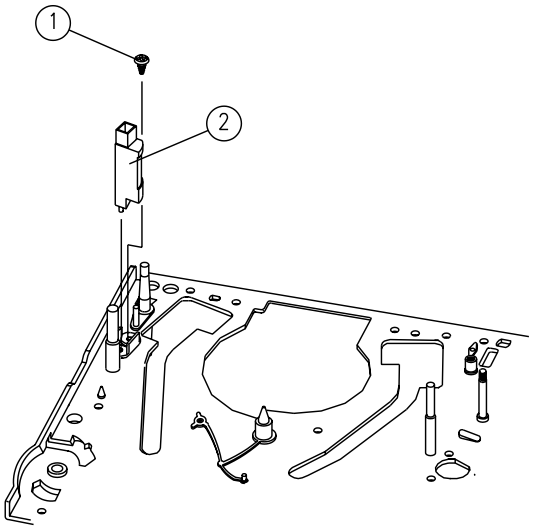


Fig.3-20 FE HEAD REMOVAL

3-14. REEL GEAR TOTAL ASS'Y & CONNECT PLATE REMOVAL (Fig.3-21)

a. Turn over the DECK MECHANISM and remove one POLY WASHER ① from the REEL GEAR POST ②.
b. After separating tab 'B' of the MAINBASE, remove the REEL GEAR TOTAL ASSEMBLY ③ from the MAINBASE.
c. Remove the CONNECT PLATE ④ from the MAINBASE by pushing it in the direction of the arrow.

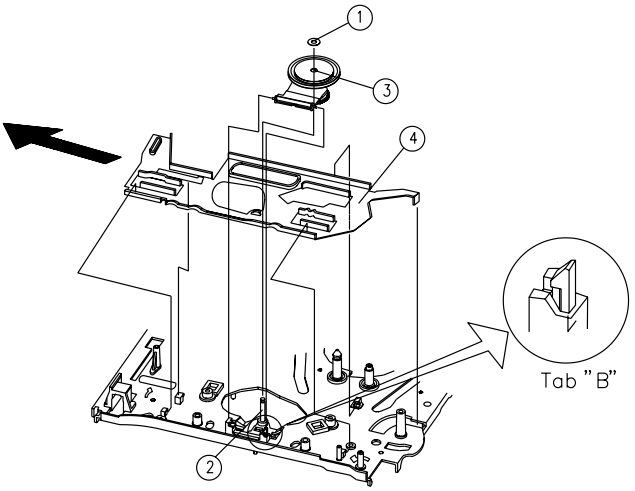


Fig.3-21 REEL GEAR TOTAL ASS'Y & CONNECT PLATE REMOVAL

NOTE:

- When removing the CONNECT PLATE with the F/L RACK installed, take care not to damage or bend the CONNECT PLATE.
- After assembling or disassembling the REEL GEAR TOTAL ASSEMBLY, take care not to get OIL, GREASE or other substances on the REEL BELT.
- Take care not to deform or break tab "B".
- Check the assembly state & the operating state of the REEL GEAR TOTAL ASSEMBLY befor assembling.
- After reassembling, check the FF, REW, PLAY and REVIEW MODES and the existence of noise when operating the MODES.

4. MECHANICAL ADJUSTMENT

4-1. MECHANICAL ADJUSTMENT (See Fig.4-1~4-5)

When operational problems occur or the mechanism is reassembled, be sure to confirm the following INSTRUCTIONS.

a. Make sure that the DATUM HOLE of the CAM GEAR is aligned with the DATUM HOLE in the MAINBASE in the EJECT mode, as shown in Fig.4-1.

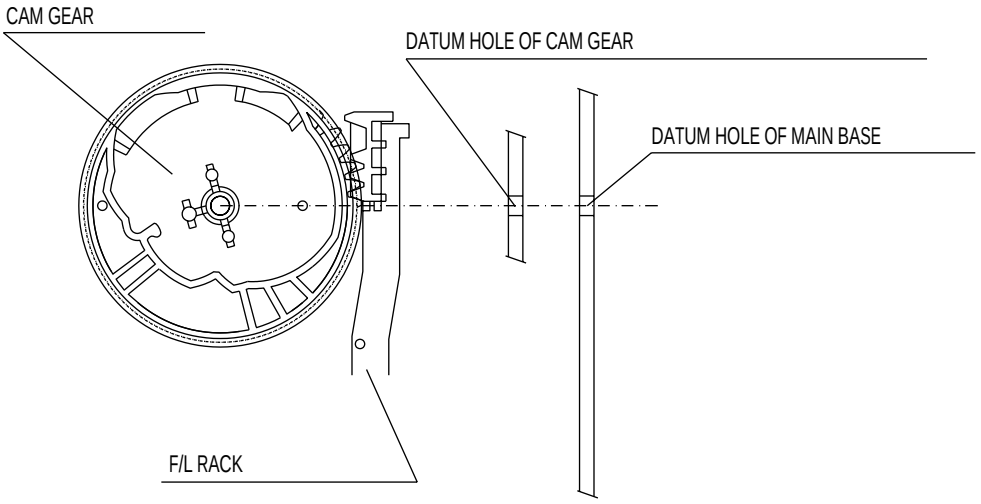


Fig.4-1 DATUM POSITION OF F/L RACK & CAM GEAR

b. Make sure that part "A" of the RELAY LEVER, when assembled in the CONNECT PLATE, is fully rotated to the left side of "B" of the MAINBASE, and is touching boss "C" of the MAINBASE as, shown in Fig.4-2.

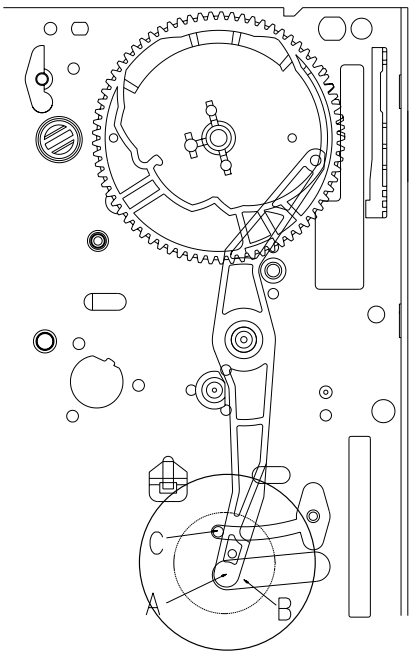


Fig.4-2 DATUM POSITION OF RELAY LEVER & CAM GEAR

c. When reassembling the L/C BRACKET TOTAL ASSEMBLY on the MAINBASE, make sure that the two triangular marks of CAM SWITCH are aligned with each other as shown in Fig.4-3.

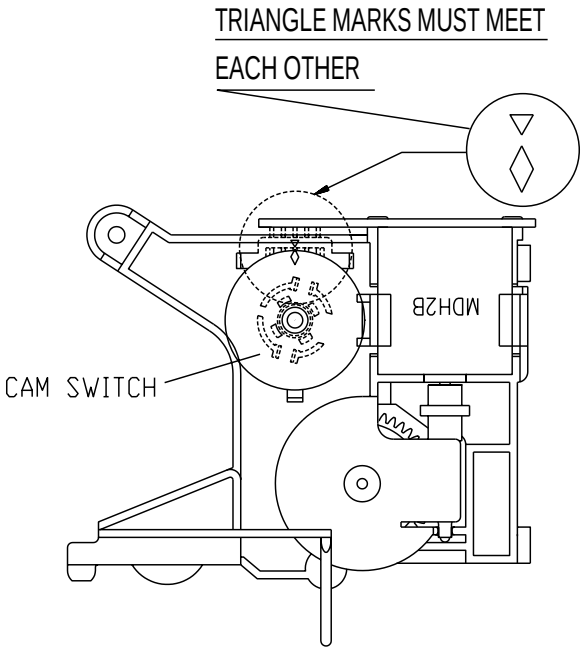


Fig.4-3 DATUM POSITION OF CAM SWITCH TRIANGULAR MARKS

d. Make sure that boss "A" of the PINCH LEVER TOTAL ASSEMBLY is positioned at point "B" of the CAM GEAR, as shown in Fig.4-4.

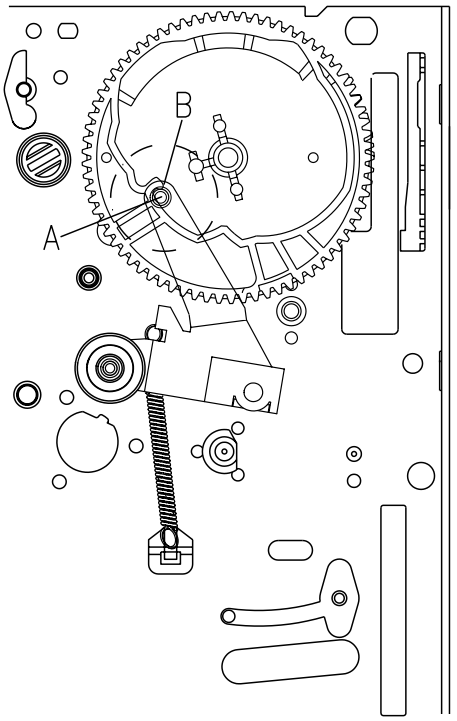


Fig.4-4 DATUM POSITION OF PINCH LEVER TOTAL ASS'Y & CAM GEAR

e. Make sure that the triangular mark "A" on the L LOADING ASSEMBLY is aligned with the notch "B" on the R LOADING ASSEMBLY as shown in Fig. 4-5.

f. Make sure that the teeth of the LOADING RACK ASSEMBLY are aligned with those of the R LOADING ASSEMBLY so that the hole of the LOADING RACK ASSEMBLY aligns with the circular mark on the R LOADING ASSEMBLY, as shown in Fig.4-5.

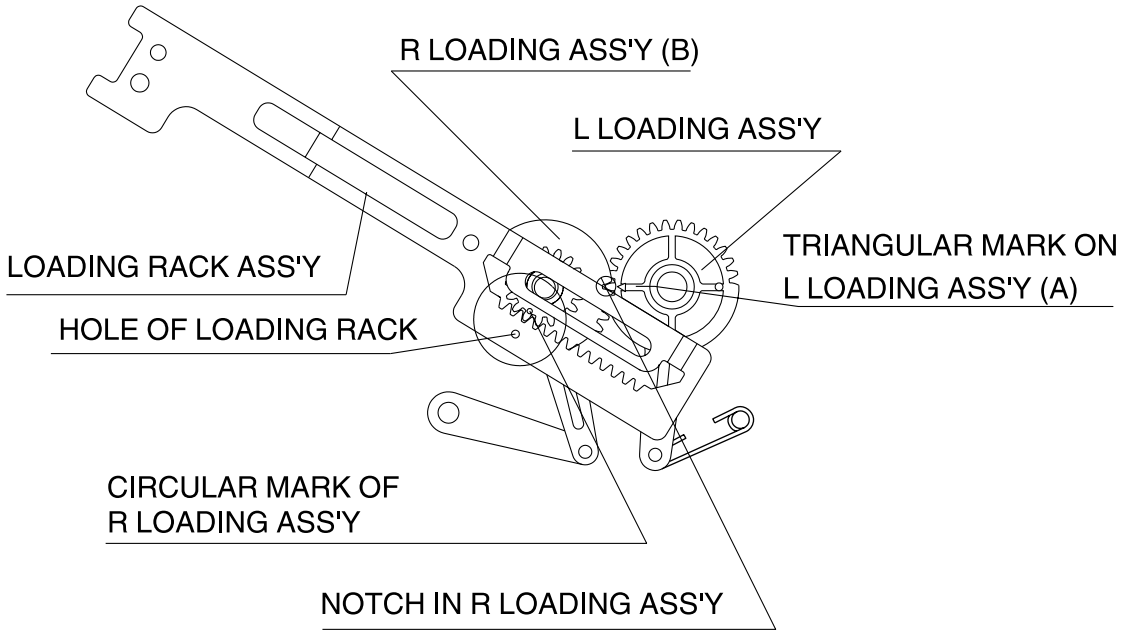


Fig.4-5 DATUM POSITION OF LOADING RACK ASS'Y & R/L LOADING LEVER ASS'YS

4-2. BACK TENSION MEASUREMENT (See Fig.4-6~4-7)

a. Confirm that the position of the TENSION POLE is correctly POSITIONED. Refer to the "4-4 TENSION POLE POSITION ADJUSTMENT ".
b. Play back a T-120 TAPE at its center position without assemblying F/L ASSEMBLY and wait until the TAPE running is stabilized (about 5~10 seconds).
c. Bring the TENTELOMETER into contact with the TAPE (Fig.4-6) and measure the BACK TENSION. The measuring result should be between 25 and 33 grams.
d. If the measuring result is not within this specification, refer to the NOTE below or repeat "4-4 TENSION POLE POSITION ADJUSMENT". (Fig. 4-7)

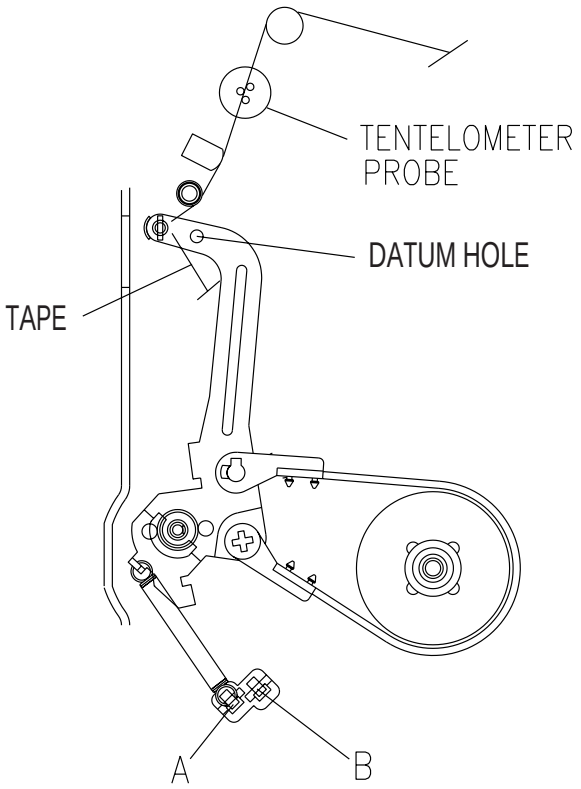


Fig.4-6 BACK TENSION MEASUREMENT

NOTE:

- If the measuring result is not within the specification, change the TENSION SPRING position. (To decrease the result, choose hook A. Otherwise, choose hook B).
- Confirm that all of the three probes of the TENSION METER are in contact with the TAPE. During this process, don't touch any other parts of the MECHANISM (i.e, MAINBASE).
- It is recommended that this measurement be repeated at least three times for an accurate reading.

4-3. MECHANICAL MODE (OPERATING THE VCR WITHOUT A CASSETTE TAPE)

a. Remove the FRONT LOADING MECHANISM from the DECK MECHANISM.
b. Pull the F/L RACK.
c. The S/T POLE BASES are loaded and PLAY BACK MODE starts.
d. Turn off the power when the MECHANISM is in the desired position.

4-4. TENSION POLE POSITION ADJUSTMENT

a. MAKE MECHANICAL MODE be PLAY MODE. Refer to "4-3 MECHANICAL MODE".
b. Confirm that the datum hole of TENSION LEVER is aligned with the datum hole of the MAIN BASE.
c. If requirement "b" is not satisfied, turn the BAND BRAKE ADJUST CAP clockwise or counter-clockwise until the two datum hole are aligned with each other.

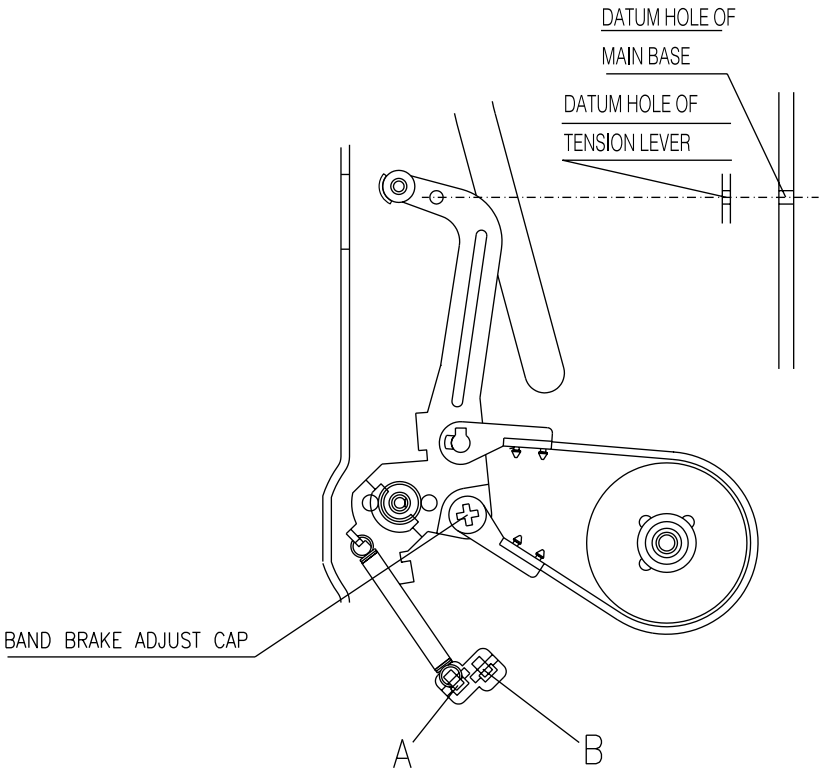


Fig.4-7 TENSION POLE POSITION ADJUSTMENT

5. ADJUSTMENT OF TAPE TRANSPORTING SYSTEM

Generally the TAPE TRANSPORTING SYSTEM has been precisely adjusted in the factory and does not ordinarily require readjustment. But when noise and tape damage take place and part assemblies that compose the TAPE TRANSPORTING SYSTEM are replaced, check and readjust the TAPE TRANSPORTING SYSTEM. Refer to the following FLOW CHART in order to adjust the TAPE TRANSPORTING SYSTEM.

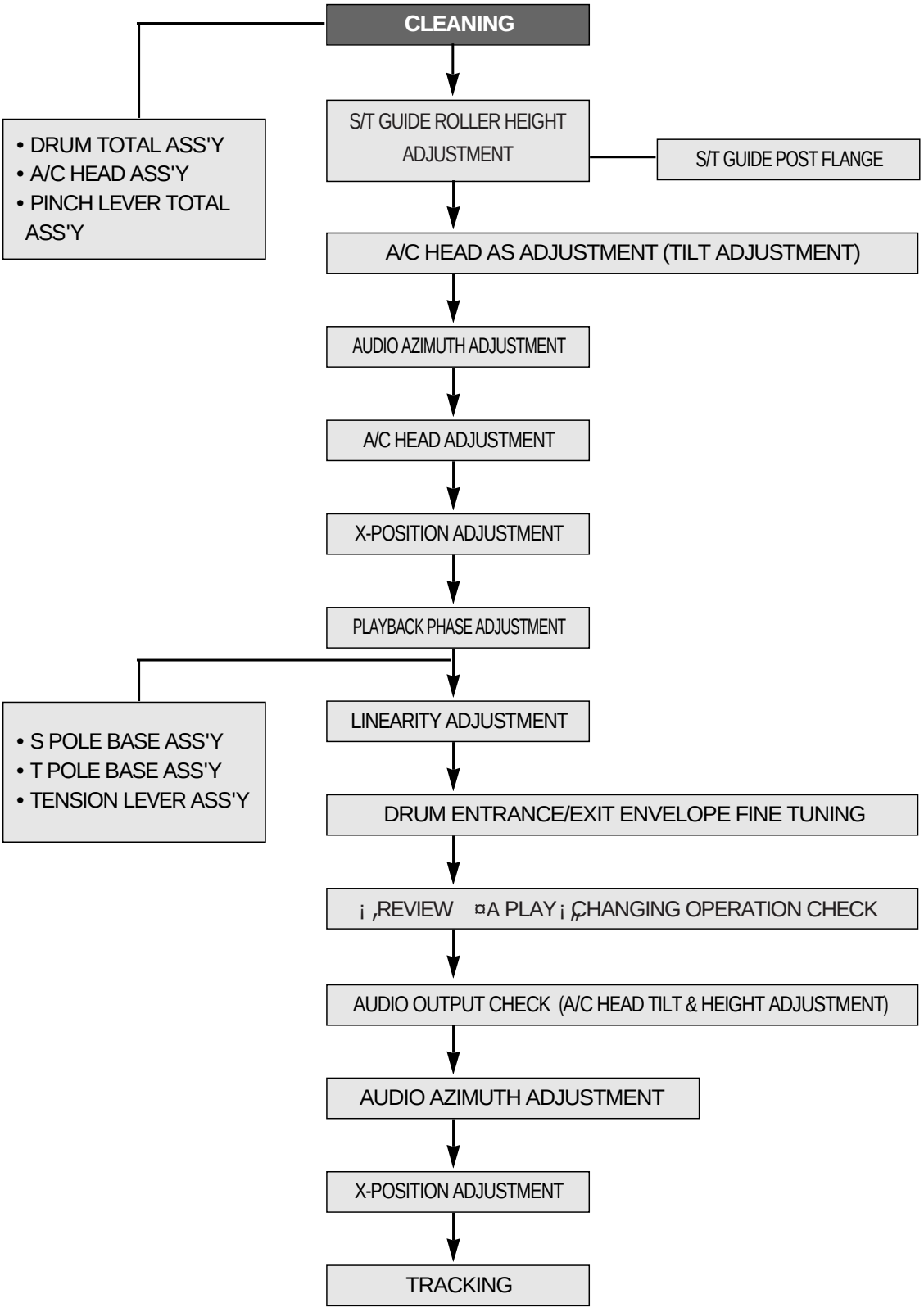

CLEANING
• DRUM TOTAL ASS'Y
• A/C HEAD ASS'Y
• PINCH LEVER TOTAL ASS'Y
S/T GUIDE ROLLER HEIGHT ADJUSTMENT
S/T GUIDE POST FLANGE
A/C HEAD AS ADJUSTMENT (TILT ADJUSTMENT)
AUDIO AZIMUTH ADJUSTMENT
A/C HEAD ADJUSTMENT
X-POSITION ADJUSTMENT
PLAYBACK PHASE ADJUSTMENT
• S POLE BASE ASS'Y
• T POLE BASE ASS'Y
• TENSION LEVER ASS'Y
LINEARITY ADJUSTMENT
DRUM ENTRANCE/EXIT ENVELOPE FINE TUNING
¡ ,REVIEW ¤A PLAY¡ ÇHANGING OPERATION CHECK
AUDIO OUTPUT CHECK (A/C HEAD TILT & HEIGHT ADJUSTMENT)
AUDIO AZIMUTH ADJUSTMENT
X-POSITION ADJUSTMENT
TRACKING

Table.1 ADJUSTMENT FLOW DIAGRAM OF THE TAPE TRANSPORTING SYSTEM

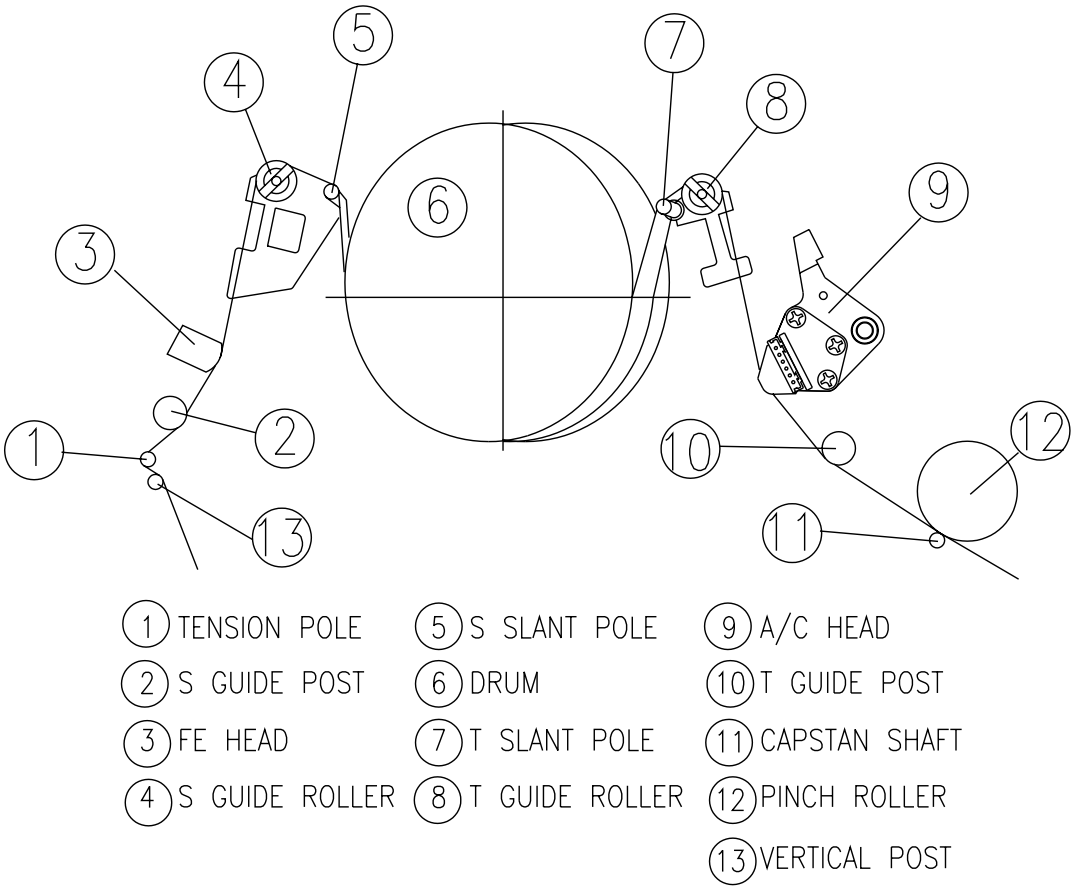


Fig. 5-1 THE SCHEMATIC DIAGRAM OF TAPE TRANSPORTING SYSTEM

When the parts as shown in Fig. 5-1 are replaced, the TAPE TRANSPORTING SYSTEM has changed. To prevent this, it is essential to know thoroughly and observe the following INSTRUCTIONS.

A. ADJUSTMENT OF THE S/T GUIDE ROLLER

a. Play back a T-120 TAPE.
b. Make sure that excessive TAPE wrinkle does not occur at each S/T GUIDE ROLLER.
c. If TAPE wrinkle is observed at the S/T GUIDE ROLLER, adjust them so that no wrinkle occurs.

B. ADJUSTMENT OF THE A/C HEAD ASS'Y (TILT ADJUSTMENT)

a. Play back a T-120 Tape and check the running condition of the TAPE at the lower flanges of the T GUIDE POST ASS'Y ¤æin Fig. 5-1.
b. Adjust the A/C HEAD TILT SCREW untill the TAPE runs stable as shown in Fig. 5-2

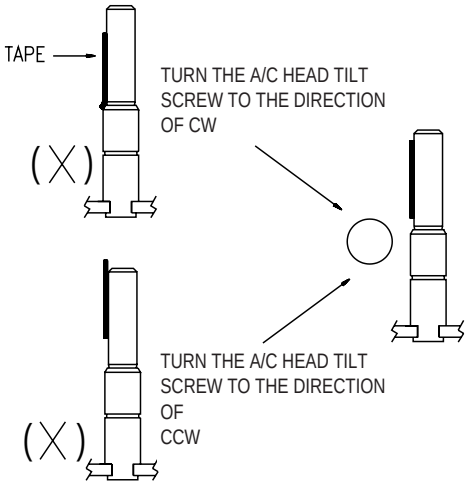
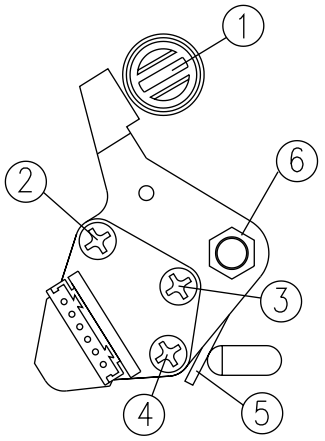


Fig. 5-2 A/C HEAD ASS'Y ADJUSTMENT (TILT ADJUSTMENT)

C. ADJUSTMENT OF THE AUDIO AZIMUTH

(See Fig.5-3)

a. Play back the ALIGNMENT CASSETTE TAPE (NTSC: DN2 (SP, 7KHz), PAL: DP2 (SP, 6KHz))
b. Observe audio signals on an OSCILLOSCOPE.
c. Turn the A/C HEAD AZIMUTH SCREW to obtain the maximum audio output signal (-9~-3dBm).



① ADJUST BOSS
② AC HEAD AZIMUTH SCREW
③ AC HEAD TILT SCREW
④ FIXING SCREW
⑤ AC HEAD SPRING
⑥ AC HEAD NUT

Fig. 5-3 A/C HEAD ASS'Y

D. THE HEIGHT ADJUSTMENT OF A/C HEAD

a. Play back a T-120 TAPE.
b. Make sure that the gap is 0.25mm between the lower end of TAPE and that of A/C HEAD.
c. When the gap is longer than 0.25mm, turn the A/C HEAD HEIGHT ADJUST NUT counter-clockwise. When the gap is shorter than 0.25mm, turn it clockwise. Repeat this procedure untill 0.25mm is obtained.

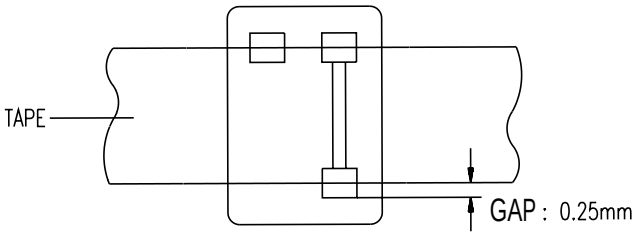


Fig. 5-4 A/C HEAD ASS'Y ADJUSTMENT (HEIGHT ADJUSTMENT)

E. X-POSITION ADJUSTMENT

TEST POINTS	S/W PULSE TEST PIN	PATH ADJ. FIXTURE
	ENVELOPE TEST PIN	PATH ADJ. FIXTURE
MEASURING EQUIPMENT	OSCILLOSCOPE	
ADJUSTMENT	VR CONTROL	PATH ADJ. FIXTURE
	ADJUST BOSS	MAIN BASE.

a. Connect the path adjustment fixture to PT01 of the MAIN CIRCUIT BOARD.
b. Play back the ALIGNMENT TAPE (COLOR BAR ALIGNMENT).
c. Connect channel-1 scope probe to S/W PULSE TEST PIN of PATH ADJ, FIXTURE.
d. Connect channel-2 scope probe to ENVELOPE TEST PIN of PATH ADJ, FIXTURE.
e. Turn the VR CONTROL to the center point. (If the VR CONTROL is completly turned counter-clockwise, it is positioned on another tracking center.)
f. With the VR CONTROL in the center state, turn the ADJUST BOSS by using FLAT TYPE SCREW DRIVER and adjust the X-POSITION to obtain the maximum envelope waveform.

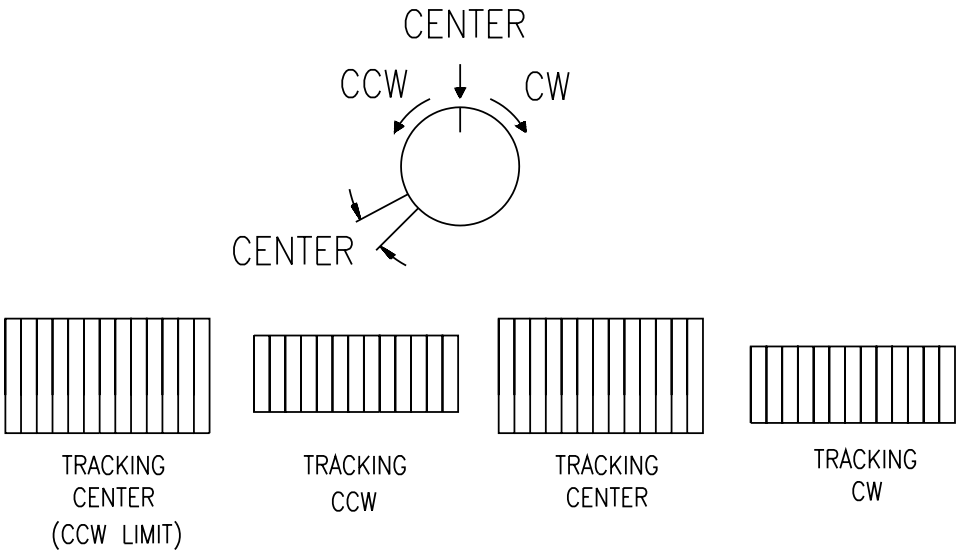


Fig. 5-5 X-POSITION ADJUSTMENT

F. PLAYBACK PHASE ADJUSTMENT (See Fig. 5-6)

TEST POINTS	S/W PULSE TEST PIN	PATH ADJ. FIXTURE
	VIDEO OUT	MAIN CIRCUIT BOARD
MEASURING EQUIPMENT	OSCILLOSCOPE	
ADJUSTMENT	VR595 (PG SHIFTER)	MAIN CIRCUIT BOARD

Phase generator (PG) shifter decides the VIDEO HEAD switching point when a TAPE is played back.
In case the Phase generator (PG) shifter isn't correctly tuned, HEAD switching noise or vertical jitter may occur.

a. Connect the PATH ADJ. FIXTURE to PT01 of the MAIN CIRCUIT BOARD.
b. Play the ALIGNMENT TAPE (COLOR BAR SIGNAL OR MONOSCOPE SIGNAL)
c. Connect the channel-1 scope probe to the S/W PULSE TEST PIN of the PATH ADJ. FIXTURE.
d. Connect the channel-2 scope probe(1V/div.) to the VIDEO OUT of the MAIN CIRCUIT BOARD.
e. Play back the ALIGNMENT TAPE.
f. Adjust the PG volume for time interval of 6.5H±0.5H between switching pulse and V-sync signal.

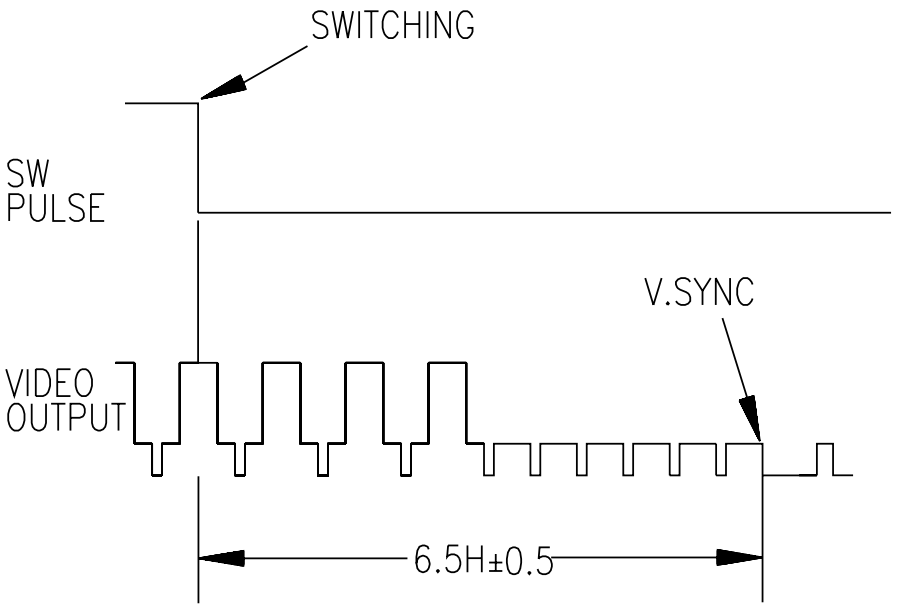


Fig. 5-6 PLAYBACK PHASE ADJUSTMENT

G. LINEARITY ADJUSTMENT

TEST POINTS	S/W PULSE TEST PIN	PATH ADJ. FIXTURE
	ENVELOPE TEST PIN	PATH ADJ. FIXTURE
MEASURING EQUIPMENT	OSCILLOSCOPE	
ADJUSTMENT	VR CONTROL	PATH ADJ. FIXTURE
	S/T GUIDE ROLLER	TAPE TRANSPORTING SYSTEM

a. Connect the PATH ADJ. FIXTURE to PT01 of the MAIN CIRCUIT BOARD.
b. Play back the ALIGNMENT TAPE (COLOR BAR SIGNAL).
c. Connect the channel-1 scope probe to the S/W PULSE TEST PIN of the PATH ADJ. FIXTURE.
d. Connect the channel-2 scope probe to the ENVELOPE TEST PIN of the PATH ADJ. FIXTURE.
e. Adjust the VR CONTROL of the PATH ADJ. FIXTURE for maximum envelope signal output of the alignment tape.
f. Adjust the S/T GUIDE ROLLER until the envelope signal waveforms of the entrance and exit sides are as shown in Fig. 5-7.

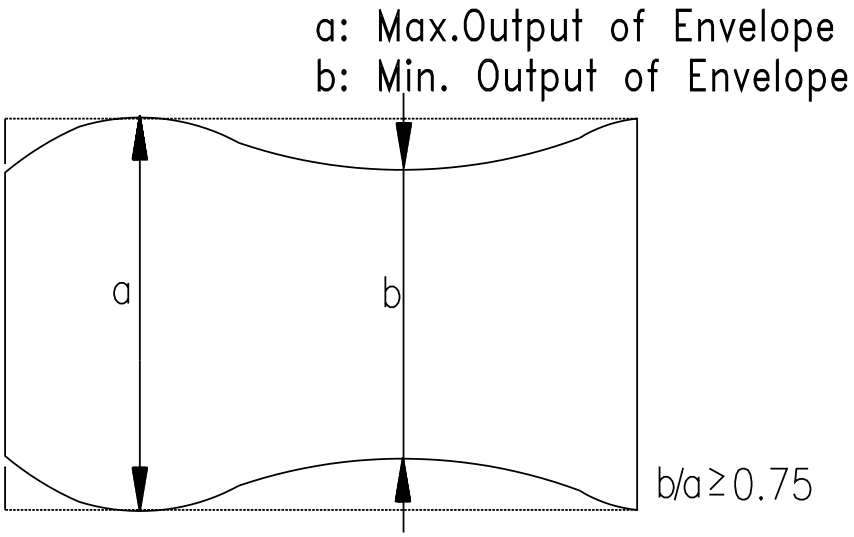


Fig. 5-7 LINEARITY ADJUSTMENT

H. DRUM ENTRANCE /EXIT (See Fig. 5-8, 5-9)

TEST POINTS	S/W PULSE TEST PIN	PATH ADJ. FIXTURE
	ENVELOPE TEST PIN	PATH ADJ. FIXTURE
MEASURING EQUIPMENT	OSCILLOSCOPE	
ADJUSTMENT	VR CONTROL	PATH ADJ. FIXTURE
	S/T GUIDE ROLLER	TAPE TRANSPORTING SYSTEM

a. Connect the PATH ADJ. FIXTURE to PT01 the MAIN CIRCUIT BOARD.
b. Play back the ALIGNMENT TAPE (COLOR BAR SIGNAL).
c. Connect the channel-1 scope probe to the S/W PULSE TEST PIN of the PATH ADJ. FIXTURE.
d. Connect the channel-2 scope probe to the ENVELOPE TEST PIN of the PATH ADJ. FIXTURE.
e. When turning the VR CONTROL of the PATH ADJ. FIXTURE clockwise or counter-clockwisw, affirm that the envelope thickness changes uniformly.
f. If the envelope is not uniform and regular, adjust the S/T GUIDE ROLLER.

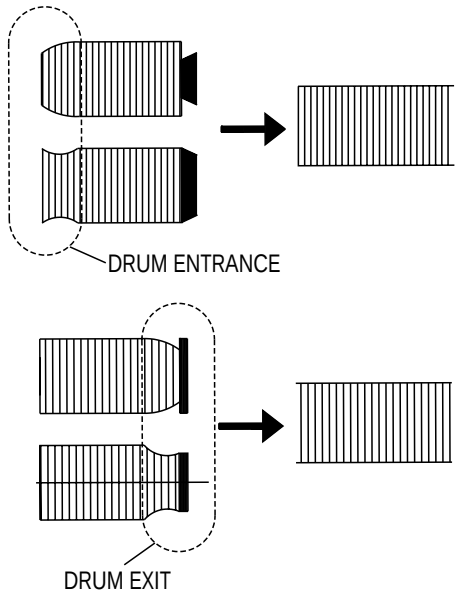


Fig. 5-8 FINE TUNING OF THE ENVELOPE AT THE DRUM ENTRANCE/EXIT (I)

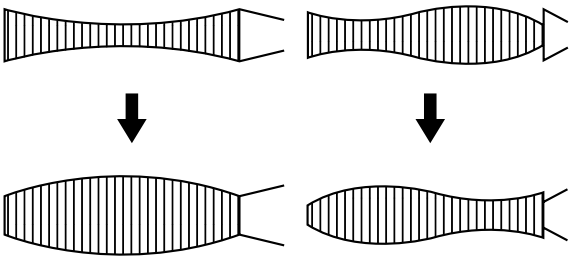


Fig.5-9 FINE TUNING OF THE ENVELOPE AT THE DRUM ENTRANCE/EXIT (II)

I. REVIEW ¤APLAY (See Fig. 5-10)

TEST POINTS	S/W PULSE TEST PIN	PATH ADJ. FIXTURE
	ENVELOPE TEST PIN	PATH ADJ. FIXTURE
MEASURING EQUIPMENT	OSCILLOSCOPE	
ADJUSTMENT	VR CONTROL	PATH ADJ. FIXTURE
	S/T GUIDE ROLLER	TAPE TRANSPORTIN SYSTEM

a. Connect the PATH ADJ. FIXTURE to PT01 of the MAIN CIRCUIT BOARD.
b. Play back the ALIGNMENT TAPE (SP, COLOR BAR SIGNAL).
c. Connect the channel-1 scope probe to the S/W PULSE TEST PIN of the PATH ADJ. FIXTURE.
d. Connect the channel-2 scope probe to the ENVELOPE TEST PIN of the PATH ADJ. FIXTURE.
e. Adjust the VR CONTROL of the PATH ADJ. FIXTURE to the center to obtain the maximum envelope signal of the ALIGNMENT TAPE.
f. After operating the VCR in the REVIEW MODE about 15 secs, change the REVIEW MODE to the PLAY BACK MODE.
g. Change operation mode from REVIEW MODE to PLAY MODE and then make sure that the envelope waveform is restored to the maximum condition within 3 seconds.
h. If the requirement is not satisfied, make sure that the TAPE runs normal at the lower part of the T GUIDE POST. Then adjust the S/T GUIDE ROLLER precisely.

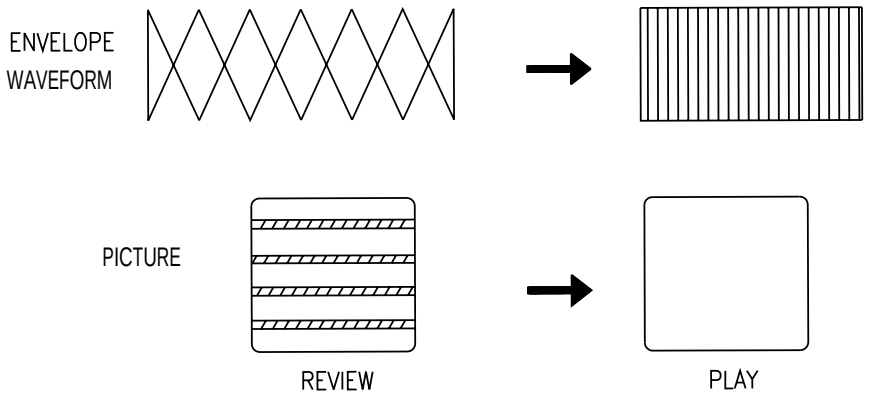


Fig. 5-10 CHECK OF TRANSITIONAL OPERATION (FROM REVIEW WAVEFORM TO PLAY WAVEFORM)

J. AUDIO OUTPUT (A/C HEAD TILT & HEIGHT ADJUSTMENT)

TEST POINTS	AUDIO OUTPUT	AUDIO OUTPUT JACK
MEASURING EQUIPMENT	OSCILLOSCOPE	

a. Connect the OSCILLOSCOPE to the AUDIO OUTPUT JACK.
b. Play back the ALIGNMENT TAPE (NTSC: DN1 (SP, 1KHz), PAL: DP1 (SP, 1KHz)).
c. Check the AUDIO OUTPUT SIGNAL is -9~-3dBm.
d. If the requirement "c" is not satisfied, adjust the A/C HEAD TILT SCREW and A/C HEAD HEIGHT NUT to obtain the maximum audio output. (Fig. 5-3)

K. A/C HEAD AZIMUTH ADJUSTMENT

a. Connect the OSCILLOSCOPE to the AUDIO OUTPUT JACK.
b. Play back the ALIGNMENT TAPE (NTSC: DN2 (SP, 7KHz), PAL: DP2 (SP, 6KHz)).
c. Adjust the A/C HEAD AZIMUTH SCREW to obtain the audio output -9~-3dBm. (Fig. 5-3)
d. Repeat the process "H. DRUM ENTRANCE/EXIT".

TEST POINTS	AUDIO OUTPUT	AUDIO OUTPUT JACK
MEASURING EQUIPMENT	OSCILLOSCOPE	

L. X-POSITION (See Fig. 5-11)

TEST POINTS	S/W PULSE TEST PIN	PATH ADJ. FIXTURE
	ENVELOPE TEST PIN	PATH ADJ. FIXTURE
MEASURING EQUIPMENT	OSCILLOSCOPE	
ADJUSTMENT	VR CONTROL	PATH ADJ. FIXTURE
	ADJUST BOSS	MAIN BASE.

a. Connect the PATH ADJ. FIXTURE to PT01 of the MAIN CIRCUIT BOARD.
b. Play back the ALIGNMENT TAPE (COLOR SIGNAL BAR).
c. Connect the channel-1 scope probe to the S/W PULSE TEST PIN of the of the PATH ADJ. FIXTURE.
d. Connect the channel-2 scope probe to the ENVELOPE TEST PIN of the PATH ADJ. FIXTURE.
e. Adjust the VR CONTROL to the center position. (When the VR CONTROL is completely turned counter-clockwise, it is set at another tracking center position).
f. When the VR CONTROL is fully rotated clockwise or counter-clockwise, turn the ADJUST BOSS of the MAINBASE and adjust the X-POSITION for the envelope waveform to be as shown in Fig. 5-11
g. Repeat the process "F. PLAYBACK PHASE ADJUSTMENT".

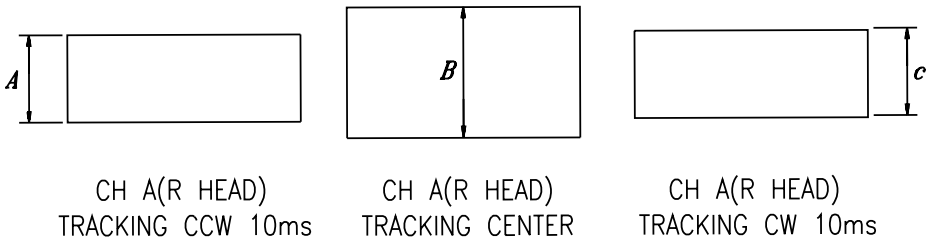
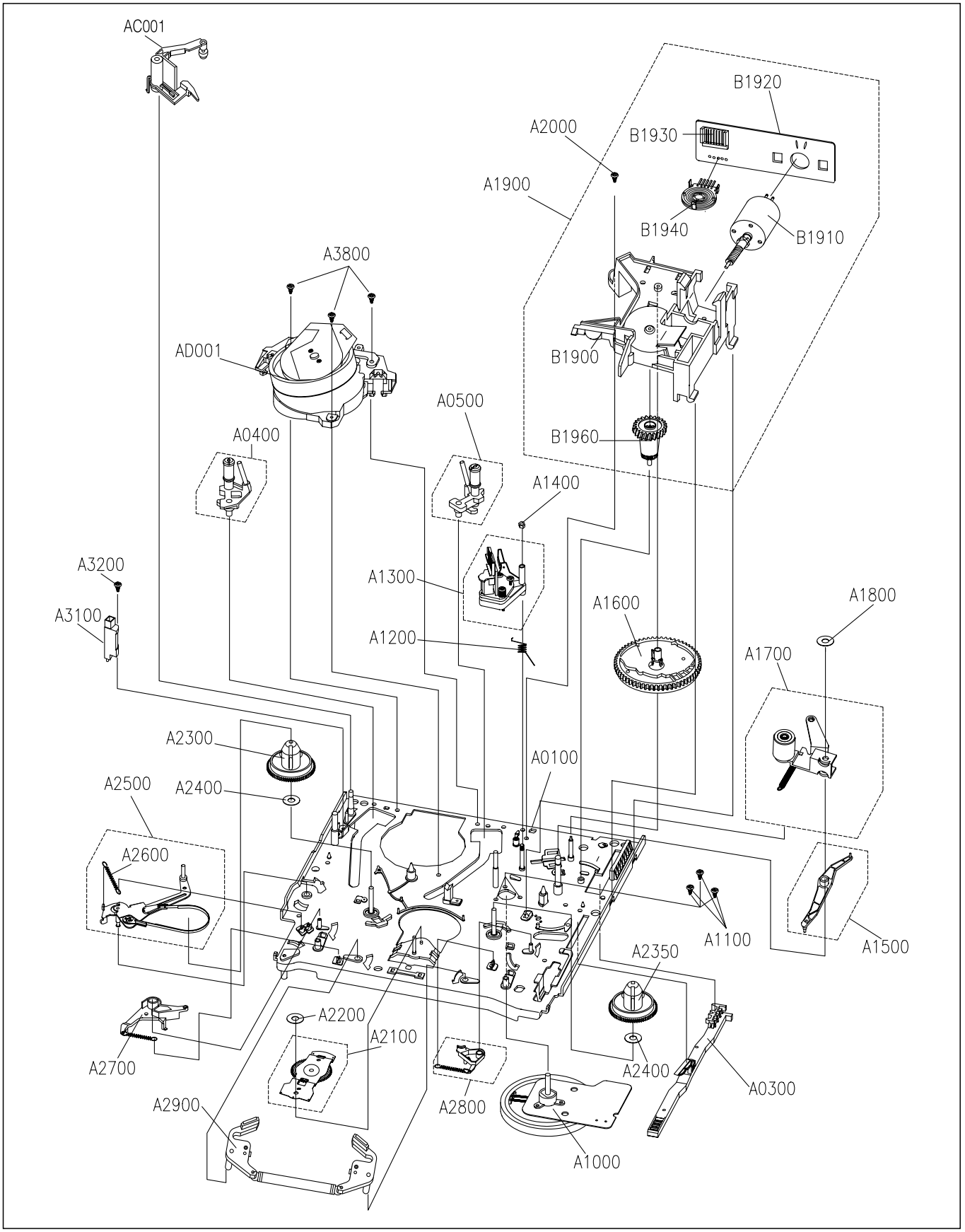


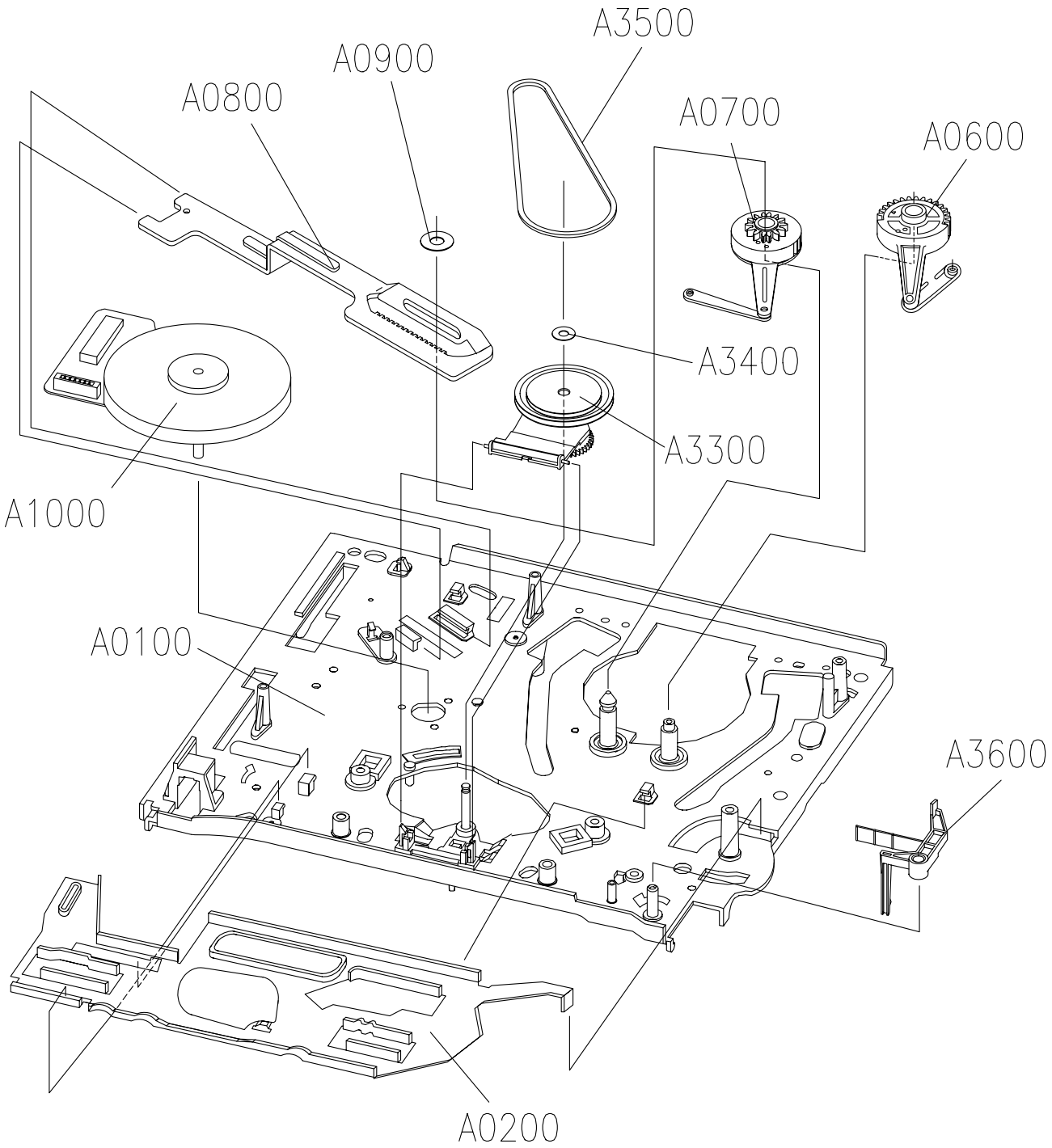
Fig. 5-11 X-POSITION ADJUSTMENT

6. EXPLODED VIEW AND PARTS LIST

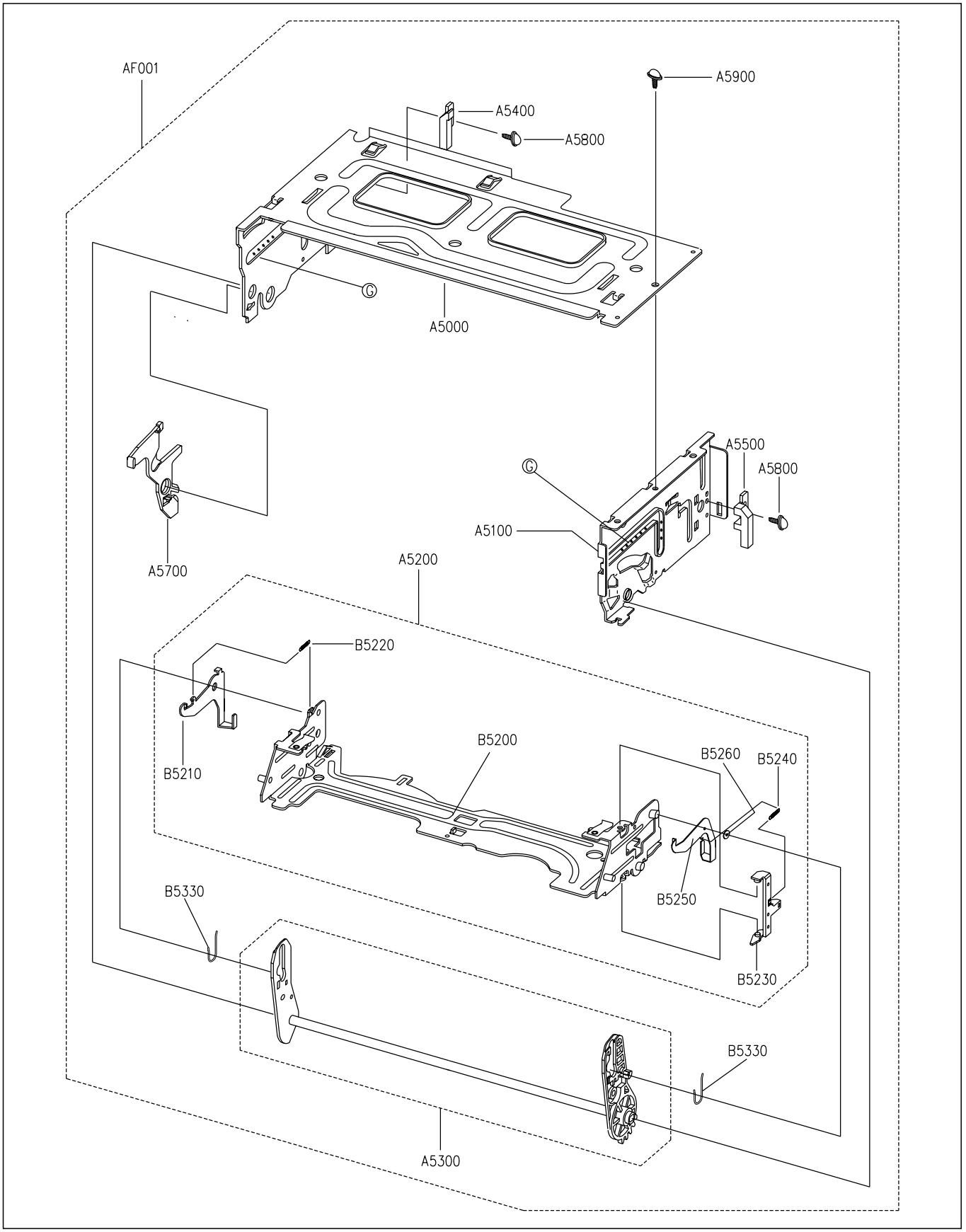
6-1. EXPLODED VIEW OF DECK ASS'Y (TOP VIEW)

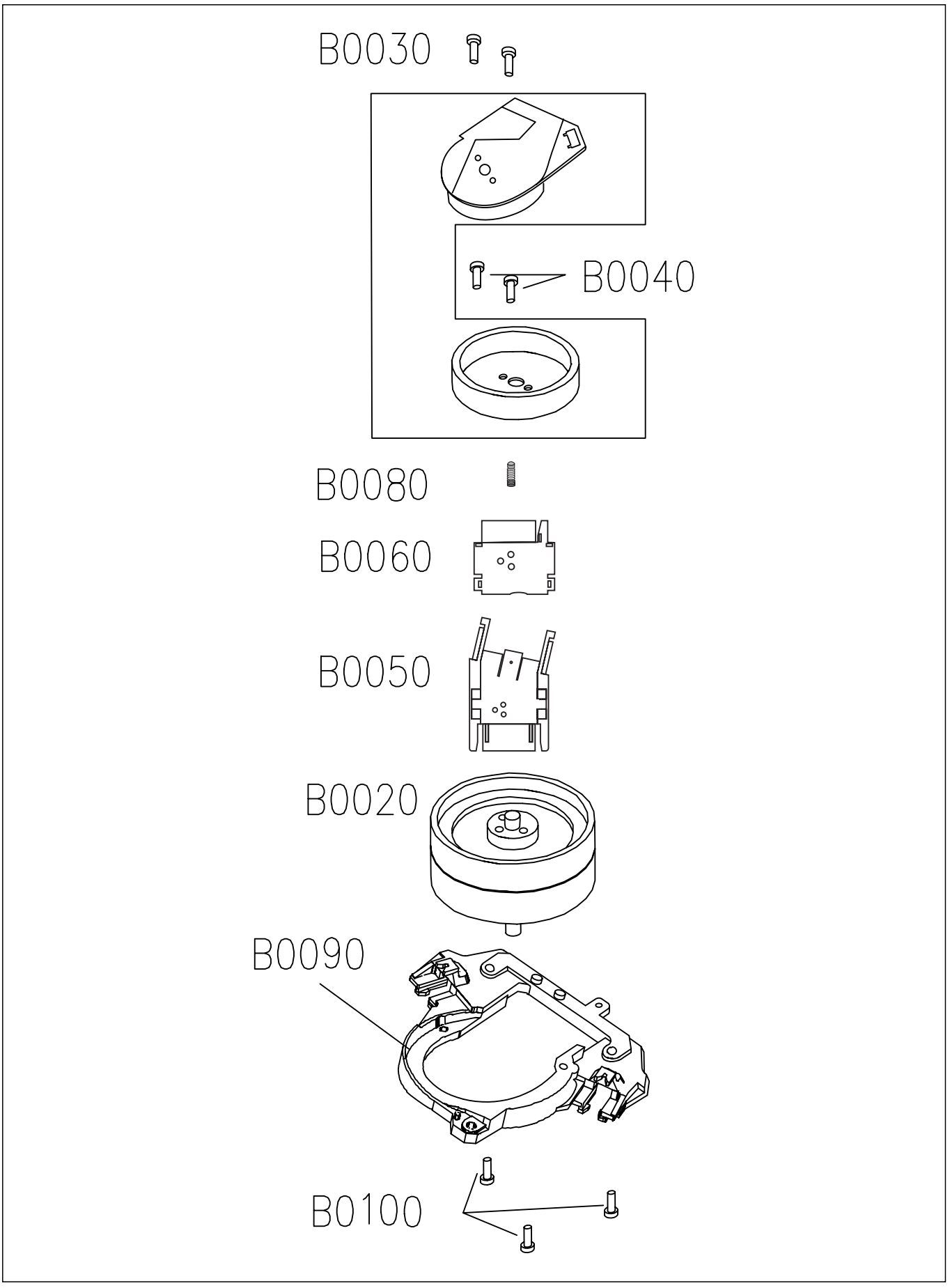


6-2. EXPLODED VIEW OF DECK ASS'Y (BOTTOM VIEW)



6-3. EXPLODED VIEW OF F/L ASS'Y




B0030
B0040
B0080
B0060
B0050
B0020
B0090
B0100

6-4-1. PARTS LIST OF DECK TOTAL ASS'Y

LOC.	STOCK NO.	PART NAME	DESCRIPTION
NTSC			
M1000	97PC0245D-	DECK TOTAL AS	DRN-9200 (2 HD SP/EP NON-DLC)
M1000	97PC0246D-	DECK TOTAL AS	DRN-9201 “(2 HD SP/EP NON-DLC, HEAD CLNR, VCP)”
M1000	97PC0247D-	DECK TOTAL AS	DRN-9401 “(4 HD MONO NON-DLC, HEAD CLNR)”
M1000	97PC0248D-	DECK TOTAL AS	DRN-9601 “(4 HD HI-FI NON-DLC, HEAD CLNR)”
PAL			
M1000	97PC0253D-	DECK TOTAL AS	DRP-9620 (4 HD HI-FI DLC)
SECAM			
M1000	97PC0254D-	DECK TOTAL AS	DRS-9620 (4 HD HI-FI DLC)

6-4-2. PARTS LIST OF DRUM PRICE ASS¡¯Y

LOC.	STOCK NO.	PART NAME	DESCRIPTION
NTSC			
AD001	97PA269201	DRUM PRICE AS	CYN-KT210 (2 HD SP/EP NON-DLC)
AD001	97PA264841	DRUM PRICE AS	CYN-KT213 (2 HD SP/EP DLC-BLK)
AD001	97PA269301	DRUM PRICE AS	CYN-KT410 (4HD MONO NON-DLC)
AD001	97PA269401	DRUM PRICE AS	CYN-KT610 (4 HD HI-FI NON-DLC)

LOC.	STOCK NO.	PART NAME	DESCRIPTION
PAL			
AD001	97PA265871	DRUM PRICE AS	CYP-KT112 (2 HD SP MONO DLC)
AD001	97PA265971	DRUM PRICE AS	CYP-KT212 (2 HD SP/LP MONO DLC)
AD001	97PA266071	DRUM PRICE AS	CYP-KT412 (4 HD MONO DLC)
AD001	97PA253471	DRUM PRICE AS	CYP-KT612 (4 HD HI-FI DLC)
SECAM			
AD001	97PA266171	DRUM PRICE AS	CYS-KT412 (4 HD MONO DLC)
AD001	97PA266371	DRUM PRICE AS	CYS-KT612 (HT 4 HD HI-FI DLC)

6-4-3. PARTS LIST OF DECK TOTAL ASS¡Ÿ'

LOC.	STOCK NO.	PART NAME	DESCRIPTION
B0010		DRUM AS	(REFERRING TO LIST OF DRUM PRICE)
B0020	97SA322300	DRUM MOTOR AS	SDV-12B/SDV-12F
		DRUM MOTOR AS	E20XL25/81
B0030	7001260711	SCREW MACHINE	PAN 2.6 X 7 MFZN
B0040	7001260711	SCREW MACHING	PAN 2.6 X 7 MFZN
B0050	97S2303600	HOLDER MAIN	POM
B0080	97S2303700	HOLDER MAIN	POM(2CH)
B0090	97S1401700	BASE DRUM	FM-M(N0N-MACHINING, ADC)
B0100	7051300811	SCREW MACHINE	PAN 3 X 8 SW MFZN
F/L AS			
AF001	97SA251400	F/L AS	K30-MECHA
DECK AS			
AM001		DECK AS	(REFERRING TO LIST OF DECK TOTAL ASS'Y)
A0100	97SA309700	MAIN BASE AS	K30-MECHA
A0200	97S0901400	PLATE CONNECY	SECC T1.0
A0300	97S2701800	RACK F/L	PBT(KP213G30) NATURAL
A0400	97SA310900	S SLANT POLE AS	K-MECHA
A0500	97SA311000	T SLANT POLE AS	K-MECHA
A0600	97SA308500	L LOADING AS	K-MECHA
A0700	97SA308600	R LOADING AS	K-MECHA
A0800	97SA308400	LOADING RACK AS	K-MECHA
A0900	97S3101800	WASHER POLY	D3.1XD8XT0.5
A1000	97S8100700	MOTOR CAPSTAN	F2QTB12
	97S8101200	MOTOR CAPSTAN	DMVCMC06ER
A1100	97S3102000	SCREW TAPTITE	TT2 BIN-P 2.6X7 MFZN
A1200	97S3004000	SPG AC HEAD	SUS304WPB D1.2
A1300	97SA311200	AC HEAD AS	K-MECHA
	97SA318700	AC HEAD AS	K-MECHA(KUGAMI)
	97SA311300	AC HEAD AS	K-MECHA(VCP)
A1400	7391300211	NUT HEX	6N-1-5 MFZN
A1500	97S2604100	LEVER RELAY	ZDC-2
A1600	97S2701400	GEAR CAM	DELIN 500 NATURAL
A1700	97SA310700	PINCH LEVER TOT AS	K-MECHA
A1800	97S3117300	WASHER POLY	D3.6XD8XT0.5
A1900	97SA310400	L/C BRKT TOT AS	K-MECHA

LOC.	STOCK NO.	PART NAME	DESCRIPTION
B1905	97SA414100	L/C BRKT AS	K-MECHA
B1910	97PA409200	L/C MOTOR AS	K-MECHAB1920
	97P6538222	L/C MOTOR PCB	PHENOL T1.6
B1930	97P6271500	CONN WAFER(ANGLE)	00-8283-0711-0000
B1940	5SSFF1DKM10	CAM SWITCH	MMS00320ZMBO
B1960	97S9201500	WORM WHEEL	DELIN 100 NATURAL
A2000	7274300611	SCREW TAPTITE	TT3 RND 3X6 MFZN
A2100	97SA311600	IDLER PLATE AS	K-MECHA(NORMAL)
	97SA311620	IDLER PLATE AS	K30-MECHA(HI-REW)
A2200	97S3108200	WASHER POLY	D2.6XD6XT0.5
A2300	97S2901600	TABLE REEL	F20 BLACK
A2400	97S3903600	POLY SLIDER	D3.1XD6XT0.5
A2500	97SA310800	TENSION BAND AS	K-MECHA
B2500	97SA409800	TENSION LEVER AS	K-MECHA
B2510	97SA409700	BAND BRAKE AS	K-MECHA
B2520	97S0400700	BAND BRAKE CAP	DURACON M90-02 NATURAL
A2600	97S3003500	SPG TENSIION	SWPB D0.4
A2700	97SA309300	S SUB BRAKE AS	K-MECHA
A2800	97SA309400	T SUB BRAKE AS	K-MECHA
A2900	97SA309120	MAIN BRAKE AS	K-MECHA(NORMAL)
	97SA309110	MAIN BRAKE AS	K30-MECHA CHI-REW
A3100	97S8012900	HEAD FE	HVFHF0004AK
	97S8004500	HEAD FE	MH-132D
A3200	97S3102100	SCREW TAPTITE	TT2 BIN-P 2.6X10 MFZN
A3300	97SA309000	REEL GEAR TOT AS	K-MECHA(NORMAL)
	97SA309020	REEL GEAR TOT AS	K30-MECHA(HI-REW)
A3400	97S3108200	WASHER POLY	D2.6XD6.0XT0.5
A3500	97S5500400	BELT REEL	CR68
A3600	97S2603500	LEVER RECORD SAFETY	F20-03 NATURAL
A3800	7274301011	SCREW TAPTITE	TT3 RND 3X10 MFZN
A4000	7274300611	SCREW TAPTITE	TT3 RND 3X6 MFZN
A4100	2291129004	OIL LUBRICANT	OA-305P
A4200	2291131304	GREASE	DELUX 5221G(NAM-YOUNG)
HEAD CLEANER AS			
AC001	97SA381500	HEAD CLEANER AS	“K,FM-MECHA”

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